Access DB# 96898

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: DAVID LUKTON Examiner #: 71263 Date: 06-18-03

Art Unit: 1653 Phone Number 308-3213 Serial Number: 09-776466

Mail Box and Bldg/Room Location: Mail Box: 9B01; Exr Rm: 9B05 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

*** Title: Glycopeptide derivatives *

Plea
Incl
utili
kno

Applicants: Christensen, Burton G.; Judice, J. Kevin; Mu, YongQi

Earliest Priority Date: 2/4/00

Titl

* * * *

Inv

Applicants are claiming the structures on the attached sheet.

Ear

*Fo
appr

R2 = anything
R3 = anything
R4 = anything
R5 = anything
R6 = anything
R7 = anything
R8 = anything
R9 = anything
R10 = anything
R11 = anything
R12 = anything
R13 = anything
R15 = anything
R16 = hydrogen
R17 = anything

X1 = hydrogen or chlorine
X2 = hydrogen or chlorine
X3 = hydrogen or chlorine

Point of Contact
P. Sheppard
Telephone number: (703) 308-4499

n = an integer of 0, 1, or 2

W = anything but **cannot be hydrogen or hydroxyl**

STAFF USE ONLY

Searcher: _____
Searcher Phone #: _____
Searcher Location: _____
Date Searcher Picked Up: _____
Date Completed: 6/18/03
Searcher Prep & Review Time: _____
Clerical Prep Time: _____
Online Time: _____

Type of Search

NA Sequence (#)_____
AA Sequence (#)_____
Structure (#) _____
Bibliographic _____
Litigation _____
Fulltext _____
Patent Family _____
Other _____

Vendors and cost where applicable

STN _____
Dialog _____
Questel/Orbit _____
Dr.Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet _____
Other (specify) _____

PTO-1590 (8-01)

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FILE COVERS 1907 - 18 Jun 2003  VOL 138 ISS 25
FILE LAST UPDATED: 17 Jun 2003  (20030617/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

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L1                STR
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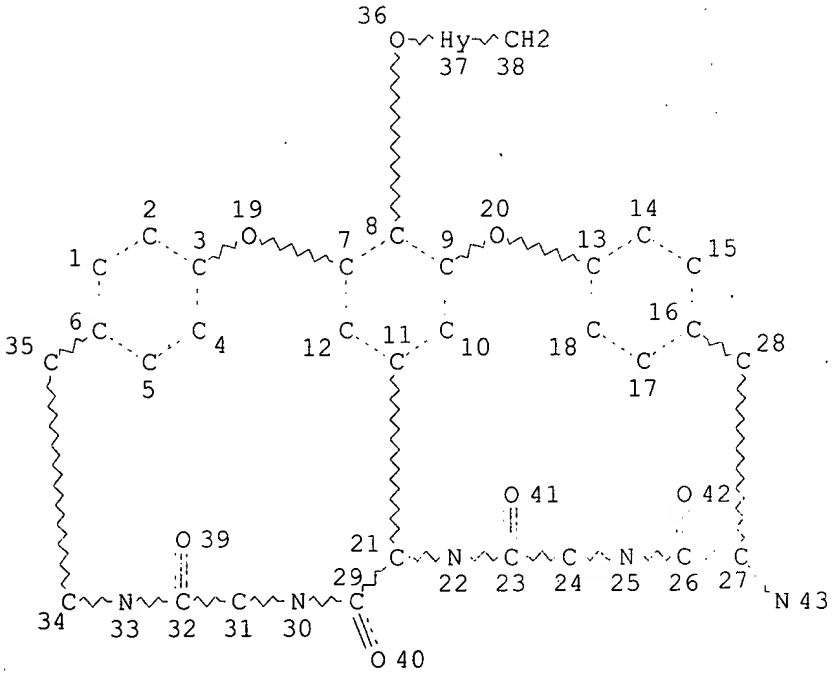


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DEFAULT ECLEVEL IS LIMITED

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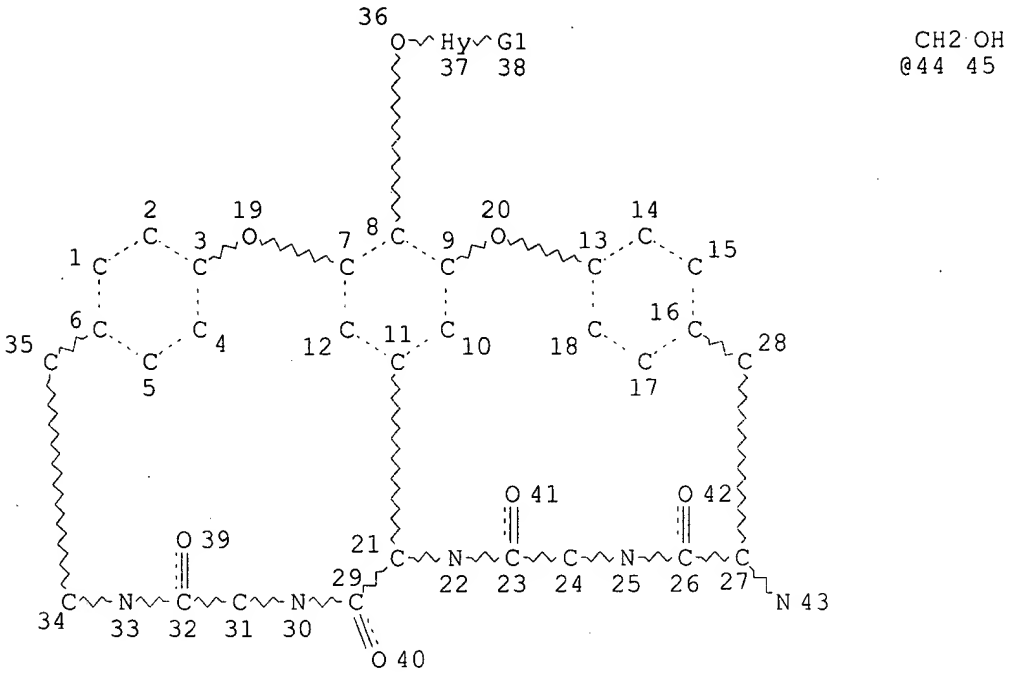

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DEFAULT ECLEVEL IS LIMITED

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NUMBER OF NODES IS 45

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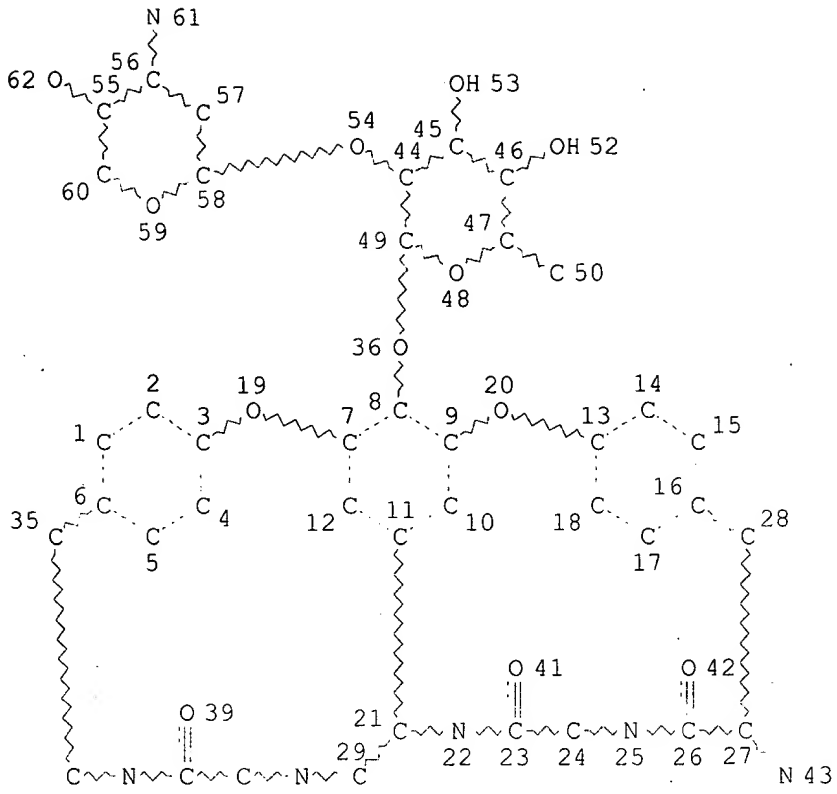

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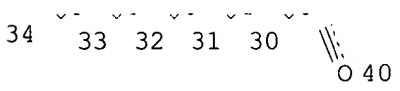

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DEFAULT ECLEVEL IS LIMITED

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NUMBER OF NODES IS 59

STEREO ATTRIBUTES: NONE
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L11 308 SEA FILE=REGISTRY SUB=L10 SSS FUL L7 NOT L3
L12 9 SEA FILE=HCAPLUS ABB=ON PLU=ON L11

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L12 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:585482 HCAPLUS
DOCUMENT NUMBER: 138:180210
TITLE: Structural requirements for VanA activity of vancomycin analogues
AUTHOR(S): Chen, Zhong; Eggert, Ulrike S.; Dong, Steven D.; Shaw,

Simon J.; Sun, Binyuan; LaTour, John V.; Kahne, Daniel
CORPORATE SOURCE: Department of Chemistry, Princeton University, Princeton, NJ, 08544, USA
SOURCE: Tetrahedron (2002), 58(32), 6585-6594
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB We have prepd. several sets of glycopeptide analogs in order to probe the mol. basis for the activity of derivs. that overcome vanA resistance. The results described in this paper provide compelling evidence that good vanA activity is due to a mechanism of action that does not involve peptide binding. Hypothesizing that this mechanism of action involves an interaction of the disaccharide portion of vancomycin analogs with bacterial transglycosylases, we have prepd. a compd. in which the vancomycin aglycon is coupled to a known transglycosylase inhibitor that is structurally unrelated to the disaccharides that have been previously investigated. The activity of this compd. is excellent. This work provides a clear prescription for the design of better glycopeptide analogs.

IT **256350-01-3 322012-74-8**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(prepn. and structure-activity relationship of vancomycin analogs and antibacterial resistance)

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:175755 HCAPLUS
DOCUMENT NUMBER: 137:345587
TITLE: Antibacterial activity of G6-quaternary ammonium derivatives of a lipophilic vancomycin analogue
AUTHOR(S): Blizzard, Timothy A.; Kim, Ronald M.; Morgan, Jerry D.; Chang, Jiang; Kohler, Joyce; Kilburn, Ruth; Chapman, Kevin; Hammond, Milton L.
CORPORATE SOURCE: Merck Research Laboratories, Rahway, NJ, 07065, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2002), 12(6), 849-852
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A series of G6-amino derivs. of a lipophilic vancomycin analog was prepd. Antibacterial activity of the analogs was inversely proportional to the degree of substitution of the G6-nitrogen. The fully substituted (quaternary) analogs were essentially inactive against vanA phenotype VREF strains but retained substantial activity against other bacteria, a profile reminiscent of teicoplanin.

IT **308366-82-7P 474433-05-1P 474433-06-2P 474433-07-3P 474433-08-4P 474433-09-5P 474433-10-8P**
RL: PAC (Pharmacological activity); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(structure-activity relationship studies and antibacterial activity of G6-quaternary ammonium derivs. of a lipophilic vancomycin analog)

IT **474432-97-8**
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(structure-activity relationship studies and antibacterial activity of G6-quaternary ammonium derivs. of a lipophilic vancomycin analog)

IT **256351-48-1**

RL: RCT (Reactant); RACT (Reactant or reagent)
(structure-activity relationship studies and antibacterial activity of G6-quaternary ammonium derivs. of a lipophilic vancomycin analog)

IT **474432-98-9P 474432-99-0P 474433-00-6P**
474433-01-7P 474433-02-8P 474433-03-9P
474433-04-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(structure-activity relationship studies and antibacterial activity of G6-quaternary ammonium derivs. of a lipophilic vancomycin analog)

REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:798249 HCAPLUS
DOCUMENT NUMBER: 135:331682
TITLE: Preparation of glycopeptide vancomycin analogs as antibacterial agents
INVENTOR(S): Kim, Ronald M.; Tata, James R.; Chapman, Kevin
PATENT ASSIGNEE(S): Merck + Co., Inc., USA
SOURCE: PCT Int. Appl., 80 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001081373	A2	20011101	WO 2001-US13042	20010424
WO 2001081373	A3	20020523		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002045574	A1	20020418	US 2001-840927	20010425

PRIORITY APPLN. INFO.: US 2000-199359P P 20000425
OTHER SOURCE(S): MARPAT 135:331682
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Glycopeptide Vancomycin analogs I wherein R1 is XR; X is absent or XR is NH=NRR, SO2R, So2NRR, CO2R, CONRR, COR, R2 is NRR, SR, NHC(=NH)NRR, OR; R3 is CONRR, CO2R, when R is independently H, substituted alkyl, aryl, heteroaryl, in which the vancosamine residue is substituted on the vancosamine nitrogen with aryl substituents such as dichlorobenzyoxybenzyl, on the C6 position with a polar substituent such as amino or substituted amino, and provided with functionality at the carboxyl such as amido derivs., have improved activity against bacterial infection. Thus, I (R1 = 3,4-dichlorobenzyloxybenzyl, R2 = NH2, R3 = hydroxyethoxyethylamido) was prepd. and tested in vitro for its antibacterial activity (MIC = 0.5 to .gtoreq. 500 .mu.g/mL).

IT **370564-25-3P 370568-71-1P 370568-77-7P**
370568-78-8P 370568-79-9P 370568-80-2P

370568-82-4P 370568-83-5P 370568-84-6P
370568-85-7P 370568-86-8P 370568-88-0P
370568-89-1P 370568-90-4P 370568-91-5P
370568-92-6P 370568-97-1P 370568-98-2P
370569-02-1P 370569-06-5P 370569-07-6P
370569-08-7P 370569-10-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of glycopeptide vancomycin analogs as antibacterial agents)

IT **256350-27-3P 308366-56-5P 308367-46-6P**
308367-48-8P 370568-70-0P 370568-72-2P
370568-73-3P 370568-74-4P 370568-75-5P
370568-76-6P 370568-81-3P 370568-87-9P
370568-93-7P 370568-94-8P 370568-95-9P
370568-96-0P 370568-99-3P 370569-00-9P
370569-01-0P 370569-05-4P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of glycopeptide vancomycin analogs as antibacterial agents)

IT **256350-62-6 370569-03-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of glycopeptide vancomycin analogs as antibacterial agents)

L12 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:798248 HCAPLUS
DOCUMENT NUMBER: 135:331681
TITLE: Preparation of glycopeptide vancomycin analogs as antibacterial agents
INVENTOR(S): Kahne, Daniel; Walker, Suzanne
PATENT ASSIGNEE(S): Trustees of Princeton University, USA
SOURCE: PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001081372	A2	20011101	WO 2001-US11040	20010405
WO 2001081372	A3	20020516		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002042365	A1	20020411	US 2001-818787	20010328

PRIORITY APPLN. INFO.: US 2000-199382P P 20000425
US 2001-818787 A 20010328
OTHER SOURCE(S): MARPAT 135:331681
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Antibacterial glycopeptide vancomycin analogs I bearing optional modifications to the C6 position of the glucose residue attached to the amino acid four of the vancomycin heptapeptide chain, wherein X is O, S, substituted amine; R is H, substituted alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclic, heterocyclic-carbonyl, heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl, aminoalkyl; R1 and R2 are independently substituted alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclic, heterocyclic-carbonyl, heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl; substituted alkyl, acyl, CHO; Z is N3, functionalized O, N, S atoms; are disclosed. Methods of making the compds. and methods of using the compds. to treat a bacterial infection in a host are also disclosed. Thus, I [X = NH, Z = OH, R = CH2CH2CH2CH2NH2, R1 = H, R2 = 4-[(3,4-dichlorophenyl)methoxy]benzyl] was prepd. and tested in vitro for their antibacterial activity (MIC = 0.25-6.25 .mu.g/mL).

IT **370564-24-2P 370564-26-4P 370564-29-7P 370564-30-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of glycopeptide vancomycin analogs as antibacterial agents)

IT **370564-25-3P 370564-27-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of glycopeptide vancomycin analogs as antibacterial agents)

IT **370564-33-3**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(prepn. of glycopeptide vancomycin analogs as antibacterial agents)

IT **256349-88-9P 256350-16-0P 256350-17-1P 256350-66-0P 370564-22-0P 370564-23-1P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of glycopeptide vancomycin analogs as antibacterial agents)

L12 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:844506 HCAPLUS
DOCUMENT NUMBER: 134:144404
TITLE: The role of hydrophobic substituents in the biological activity of glycopeptide antibiotics
AUTHOR(S): Kerns, Robert; Dong, Steven D.; Fukuzawa, Seketsu; Carbeck, Jeffrey; Kohler, Joyce; Silver, Lynn; Kahne, Daniel
CORPORATE SOURCE: Departments of Chemistry and Chemical Engineering, Princeton University, Princeton, NJ, 08544, USA
SOURCE: Journal of the American Chemical Society (2000), 122(50), 12608-12609
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Vancomycin and teicoplanin are the two glycopeptide antibiotics that are used clin. Bacteria become resistant to vancomycin and teicoplanin by producing cell wall precursors terminating in d-Ala-d-Lac , a depsipeptide ligand that interacts only weakly with peptide binding pockets of the drugs. The emergence of such antibiotic resistance poses a serious threat to human health. However, it is possible to overcome resistance by attaching a hydrophobic substituent to vancosamine nitrogen of vancomycin. The authors report the synthesis and evaluation of a new class of

vancomycin derivs contg. hydrophobic substituents on the glucose C6 position. The position of hydrophobic substituent influences the mechanism of action. The authors uncovered differences in the mechanism of action of hydrophobically substituted glycopeptide derivs by comparing the biol activities of pares of compds. contg. intact and damaged peptide binding pockets. These compds. have an addnl. biol activity that cannot simply be due to membrane localization. Identifying the source of this activity should lead to a more rational approach to the design of vancomycin derivs that overcome resistance.

IT **256350-01-3P 256350-03-5P 322012-74-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(role of hydrophobic substituents in biol. activity of glycopeptide antibiotics)

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:824286 HCAPLUS
DOCUMENT NUMBER: 134:5162
TITLE: Preparation of glycopeptides as antibacterial agents
INVENTOR(S): Kim, Ronald M.; Kahne, Daniel E.; Chapman, Kevin T.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA; Princeton University
SOURCE: PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000069893	A1	20001123	WO 2000-US13751	20000519
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US 6498238	B1	20021224	US 2000-574225	20000519

PRIORITY APPLN. INFO.: US 1999-134841P P 19990519
OTHER SOURCE(S): MARPAT 134:5162
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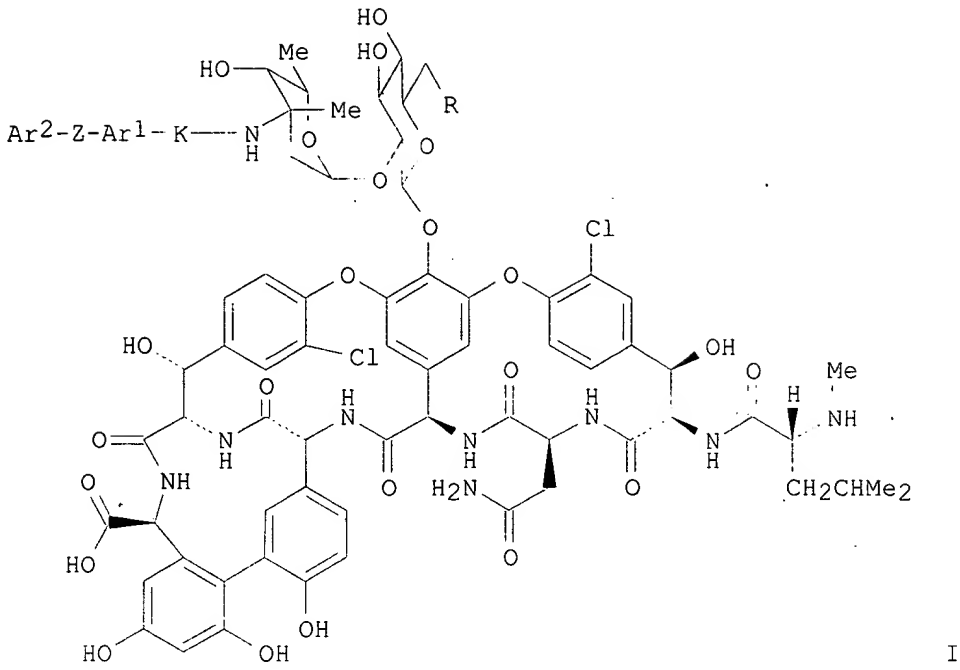

I

AB Glycopeptides I [R is a polar substituent; K-Ar1-Z-Ar2 is a lipid-like substituent where Ar1 and Ar2 are arom. or heterocyclic groups, each optionally substituted with R1 [R1 = halo, R2, CN, NO2, CF3, fluoromethoxy, NHSO2R2, OR2, SR2, NR22, N+R23, C(O)NR22, SO2NR22, heterocyclyl, CO2R2, C(O)R2, OC(O)R2, NR2C(O)R2, or NHC(O)R2; R2 = H, aryl, alkyl, arylalkyl, (heterocyclyl)alkyl, aroyl, alkanoyl, alkanoyloxy, alkanoylamino, alkylsulfonyl, arylsulfonyl; two R2 groups may form one or more arom. or heterocyclic rings]; K and Z are carbonyl, sulfonyl, alkylene, alkyleneoxy, oxyalkylene, alkyleneamino, aminoalkylene, alkyleneoxyalkylene, alkylenethio, thioalkylene, alkylenecarbonyl, aminocarbonyl or carbonylamino, alkyleneaminocarbonyl, aminocarbonylalkylene, O, O2C, CO2, alkylene, alkyleneoxycarbonyl, oxycarbonylalkylene, aminosulfonyl or sulfonylamino; Z is not a singe bond] were prepd. as antibacterial agents. Thus, N-[4-(3,4-dichlorobenzyloxy)benzyl]-N-glucose-C6-amino-vancomycin, prepd. from vancomycin hydrochloride by a multistep sequence involving condensation with 4-(3,4-dichlorobenzyloxy)benzaldehyde, showed MIC = 0.125 .mu.g/mL against Staphylococcus aureus Septicemia (in vivo).

IT **256350-68-2P 308366-45-2P 308366-46-3P**
308366-47-4P 308366-48-5P 308366-49-6P
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308797-98-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of vancomycin analogs as antibacterial agents)

IT **256349-88-9P 256350-62-6P 256351-48-1P**
308367-47-7P 308367-48-8P 308367-49-9P
308367-50-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of vancomycin analogs as antibacterial agents)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:725485 HCAPLUS
DOCUMENT NUMBER: 133:296658
TITLE: Preparation of desleucyl glycopeptide antibiotics
INVENTOR(S): Kahne, Daniel; Walker, Suzanne; Silva, Domingos J.
PATENT ASSIGNEE(S): The Trustees of Princeton University, USA; Incara Pharmaceuticals, Inc.
SOURCE: PCT Int. Appl., 150 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059528	A1	20001012	WO 2000-US8559	20000331
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1173193	A1	20020123	EP 2000-919942	20000331
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6518243	B1	20030211	US 2000-540761	20000331

PRIORITY APPLN. INFO.: US 1999-127516P P 19990402
WO 2000-US8559 W 20000331

AB Compds. that are analogs of glycopeptide antibiotics are disclosed. The compds. have the formula A1-A2-A3-A4-A5-A6-A7, where each of the groups A2 to A7 is a modified or unmodified .alpha.-amino acid residue, A1 is optional and, when present, is an org. group other than N-substituted leucine, and at least one of the groups A1 to A7 is linked via a glycosidic bond to one or more glycosidic groups each having one or more sugar residues, where at least one of said sugar residues is modified to bear at least one hydrophobic substituent. Methods of making these compds., compns. including these compds., and methods of using the compds. to treat infections in a host are also disclosed. Antibacterial test data are tabulated for > 350 compds. of the invention.

IT **256350-62-6P 256350-68-2P 256351-39-0P**
300583-15-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of desleucyl glycopeptide antibiotics)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:493569 HCAPLUS
DOCUMENT NUMBER: 133:105257
TITLE: Preparation of substituted alpha-linked disaccharides as antibacterial agents
INVENTOR(S): Kahne, Daniel
PATENT ASSIGNEE(S): Princeton University, USA
SOURCE: PCT Int. Appl., 103 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000042067	A1	20000720	WO 2000-US651	20000112
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EP 1147129	A1	20011024	EP 2000-904285	20000112
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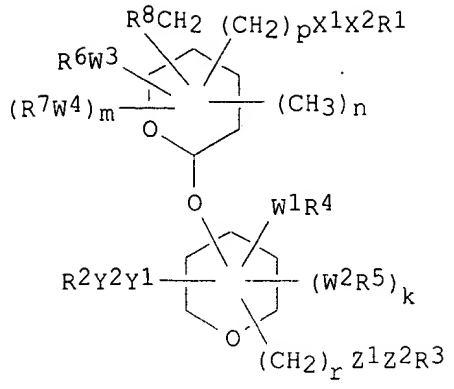
PRIORITY APPLN. INFO.: US 1999-115596P P 19990112
WO 2000-US651 W 20000112
OTHER SOURCE(S): MARPAT 133:105257
GI



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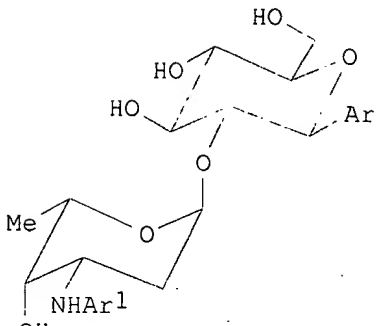

II

AB A compd. which comprises: (i) a saccharide compd. having transglycosylase inhibitory activity; and (ii) a second compd. that is capable of binding a protein or enzyme involved in cell wall biosynthesis, a precursor used in cell wall biosynthesis, the cell wall surface, or combinations thereof. The saccharide compd. is linked directly or through a difunctional linker, to the non-saccharide compd.; provided that: when the non-saccharide compd. is a hexapeptide or a heptapeptide and the saccharide compd. does not contain a phosphate or phosphonate ester, then the saccharide compd. is not linked directly to the non-saccharide compd. through a glycosidic linkage. The non-saccharide compd. includes both "natural" (aglycons that are typically assocd. with a carbohydrate moiety) and "unnatural" (substances that are not typically assocd. with carbohydrate moiety) aglycons. Unnatural aglycons can be selected, for example, from peptide-binding dyes. Disaccharides I wherein R2Y2Y1 is bonded to a ring carbon atom adjacent to the alpha glycosidic linkage; R1 and R3 are independently hydrogen, alkyl, aryl, aralkyl, alkylsulfonyl, arylsulfonyl, aralkylsulfonyl, alkanoyl, aroyl, aralkanoyl, heterocyclic, heterocyclic-alkyl, heterocyclic-carbonyl or heterocyclic-alkyl- carbonyl; R2 is hydrogen, alkyl, aryl, aralkyl, alkylsulfonyl, arylsulfonyl, aralkylsulfonyl, alkanoyl, aroyl, aralkanoyl, heterocyclic, heterocyclic-alkyl, heterocyclic-carbonyl, heterocyclic-alkyl-carbonyl or a peptide comprising 2-6 amino acid residues; R4-R7 are independently hydrogen, or a hydroxyl, amino or thiol protecting group; W1-W4 are independently O, NH or S; R8 is hydrogen, hydroxyl or a hydroxyl protecting group; k, m, n, p and r are independently 0 or 1; X1 is a single bond, O, NR9 or S; X2 is O, NR12, S, C(O)O, C(O)S, C(S)O, C(S)S, C(NR12)O or C(O)NR12; Y1 is a single bond, O, NR10 or S; Y2 is O, NR13, S, C(O)O, C(O)S, C(S)O, C(S)S, C(NR13)O or C(O)NR13; Z1 is a single bond, O, NR11 or S; Z2 is O, NR14, S, C(O)O, C(O)S, C(S)O, C(S)S, C(NR14)O or C(O)NR14; R9-R14 are independently hydrogen, alkyl or aralkyl; none of the pairs X1 and X2, Y1 and Y2, and Z1 and Z2 comprises O and O, S and O, or O and S, resp. A method of treating bacterial infections with the compd. Thus, disaccharide II (Ar = 2,6-dimethoxyphenoxy, Ar1 = chlorobiphenyl) was prepd. and tested in vitro for its antibacterial activity and selectively inhibited peptidoglycan and RNA synthesis.

IT **256349-90-3**

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of substituted alpha-linked disaccharides as antibacterial agents and inhibitors of peptidoglycan and RNA synthesis)

IT **256351-35-6P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of substituted alpha-linked disaccharides as antibacterial agents and inhibitors of peptidoglycan and RNA synthesis)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:68479 HCAPLUS
DOCUMENT NUMBER: 132:122934
TITLE: Preparation of glycopeptide antibiotics and their combinatorial libraries
INVENTOR(S): Kahne, Daniel; Kerns, Robert; Fukuzawa, Seketsu; Ge, Min; Thompson, Christopher
PATENT ASSIGNEE(S): Princeton University, USA
SOURCE: PCT Int. Appl., 159 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000004044	A1	20000127	WO 1999-US15845	19990714
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CA 2337103	AA	20000127	CA 1999-2337103	19990714
AU 9949916	A1	20000207	AU 1999-49916	19990714
EP 1095058	A1	20010502	EP 1999-933979	19990714
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JP 2002520422	T2	20020709	JP 2000-560150	19990714
WO 2000069892	A1	20001123	WO 2000-US13679	20000519
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EP 1179011	A1	20020213	EP 2000-936050	20000519
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PRIORITY APPLN. INFO.:
US 1998-150690P P 19980714
US 1999-134839P P 19990519
WO 1999-US15845 W 19990714
WO 2000-US13679 W 20000519

OTHER SOURCE(S): CASREACT 132:122934

AB Glycopeptides A1-A2-A3-A4-A5-A6-A7 [A1 comprises a modified or unmodified .alpha.-amino acid residue, alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclyl, heterocyclylcarbonyl, heterocyclylalkyl, heterocyclylalkylcarbonyl, alkylsulfonyl, arylsulfonyl, guanidinyl, carbamoyl, or xanthyl; each of A2 to A7 comprises a modified or unmodified .alpha.-amino acid residue, where (i) A1 is linked to an amino group on A2, (ii) each of A2, A4 and A6 bears an arom. side chain which is cross-linked by two or more covalent bonds, and (iii) A7 bears a terminal carboxyl, ester, amide, or N-substituted amide group; one or more of A1 to A7 is linked via a glycosidic bond to one or more glycosidic groups each having one or more sugar residues, at least one of the sugar residues

bearing one or more substituents of the formula YXR, N+R1:CR2R3, N:PR1R2R3, N+R1R2R3 or P+R1R2R3 in which Y is a single bond, O, NR1 or S; X is O, NR1, S, SO2, C(O)O, C(O)S, C(S)O, C(S)S, C(NR1)O, C(O)NR1, or halo (in which case Y and R are absent); R, R1, R2, and R3 are H, alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclyl, heterocyclylcarbonyl, heterocyclylalkyl, heterocyclylalkylcarbonyl, alkylsulfonyl, or arylsulfonyl] and their pharmaceutically acceptable salts or a chem. library comprising a plurality of the glycopeptides of the invention were prepd. for use as antibiotics. Thus, glucose-C6 modified vancomycin derivs. were prepd. and assayed for antimicrobial activity (min. inhibitory concns. are tabulated).

IT **256350-01-3P 256350-02-4P 256350-03-5P**
256350-04-6P 256350-05-7P 256350-06-8P
256350-07-9P 256350-08-0P 256350-09-1P
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256350-16-0P 256350-18-2P 256350-22-8P
256350-24-0P 256350-26-2P 256350-27-3P
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256350-83-1P 256350-85-3P 256350-89-7P
256350-91-1P 256350-93-3P 256351-39-0P
256351-49-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepn. of glycopeptide antibiotics and their combinatorial libraries)

IT **256350-17-1P 256350-21-7P 256350-25-1P**
256350-50-2P 256350-68-2P 256350-74-0P
256350-84-2P 256350-86-4P 256350-88-6P
256350-90-0P 256351-37-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of glycopeptide antibiotics and their combinatorial libraries)

IT **256351-06-1 256351-08-3 256351-40-3**
256351-41-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of glycopeptide antibiotics and their combinatorial libraries)

IT **256349-88-9P 256349-89-0P 256349-90-3P**
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256349-94-7P 256349-95-8P 256349-96-9P
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256351-10-7P 256351-11-8P 256351-12-9P
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256351-45-8P 256351-46-9P 256351-48-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of glycopeptide antibiotics and their combinatorial libraries)
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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DICTIONARY FILE UPDATES: 17 JUN 2003 HIGHEST RN 532924-24-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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308	RN	256349-88-9	REGISTRY

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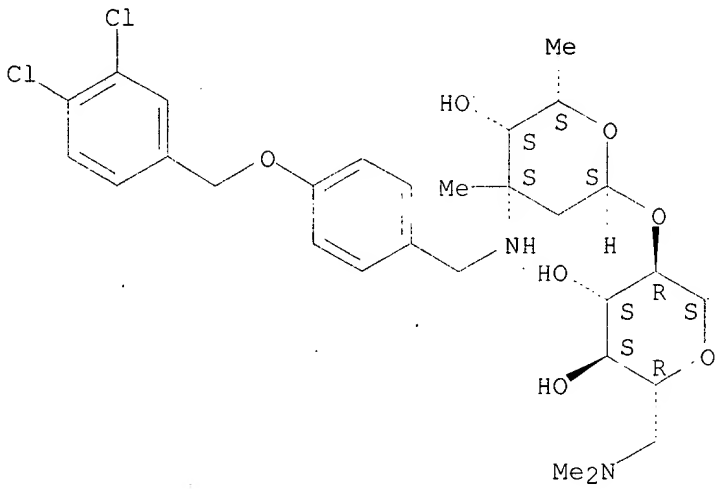
=> d ide can 111 1 12 15 25 30 55 64 65 117 172 173 199 297 308

L11 ANSWER 1 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 474433-10-8 REGISTRY
CN Vancomycin, 6'-deoxy-N3''-[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]-6'-(dimethylamino)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C82 H90 Cl4 N10 O24
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A



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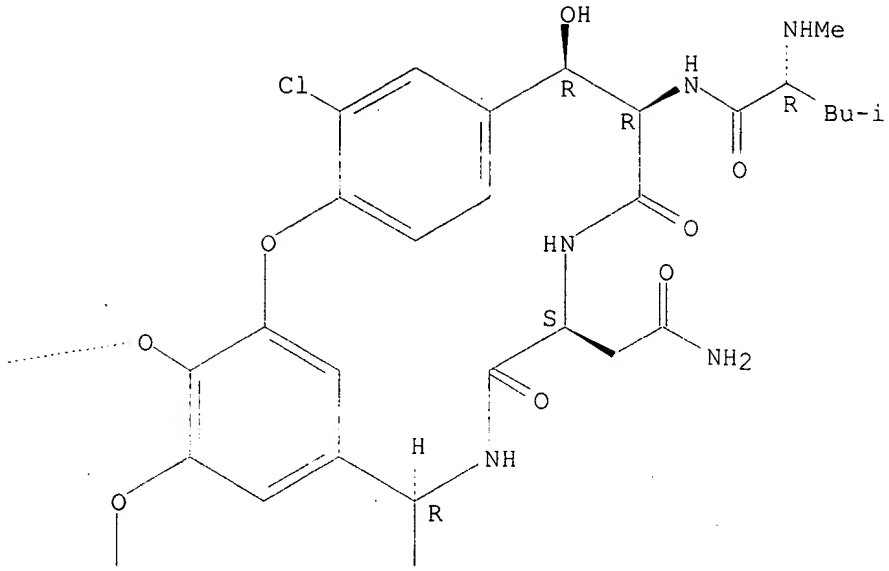

PAGE 2-A

Cl

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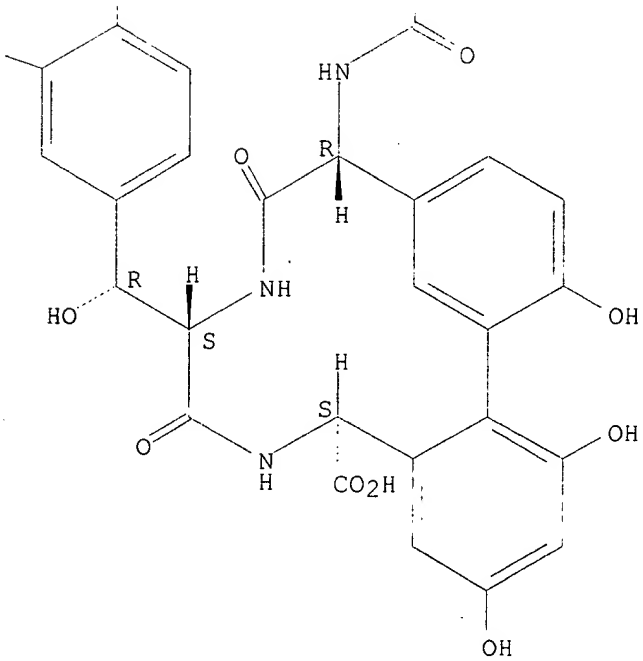


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 137:345587

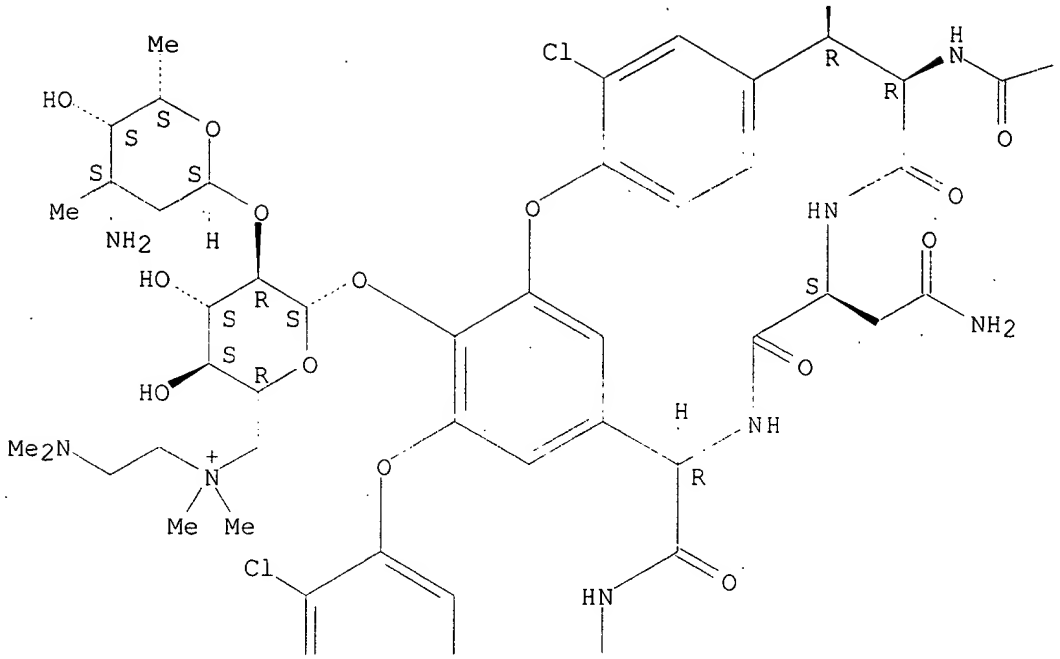
L11 ANSWER 12 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 474432-99-0 REGISTRY
CN Vancomycin, 6'-deoxy-6'-[[2-(dimethylamino)ethyl]dimethylammonio]-, inner salt (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C72 H89 Cl2 N11 O23
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

OH

PAGE 2-A



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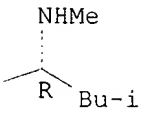

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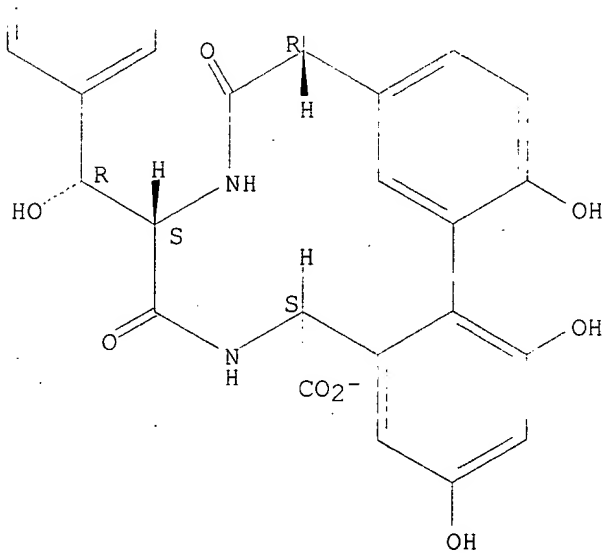


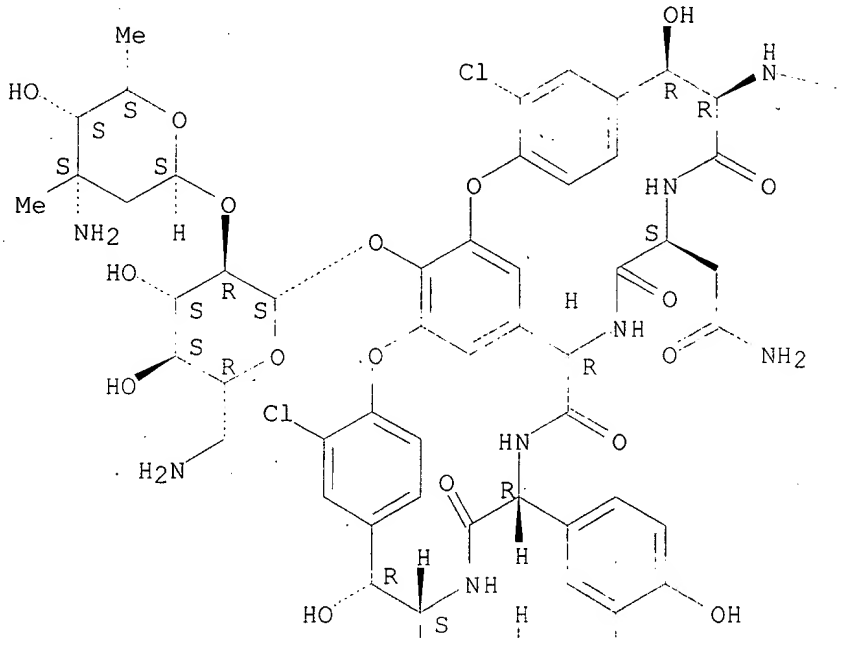
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 137:345587

L11 ANSWER 15 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 370569-10-1 REGISTRY
CN Vancomycin, 6'-amino-26-decarboxy-6'-deoxy-26-[[[5-[[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]amino]pentyl]amino]carbonyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C85 H98 Cl4 N12 O23
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



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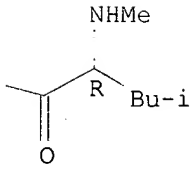

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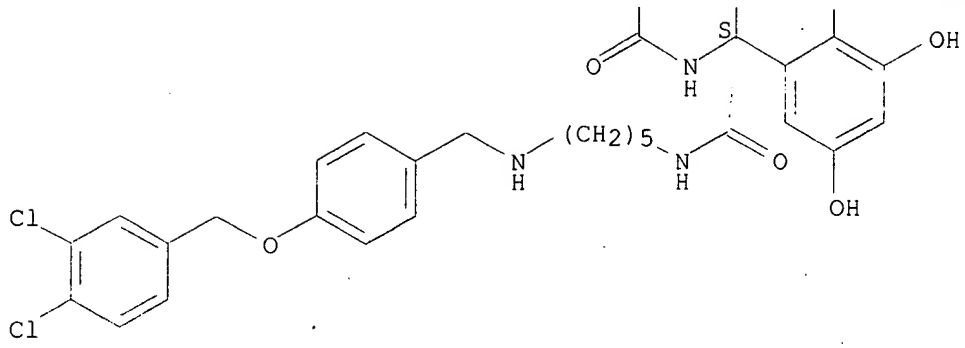


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:331682

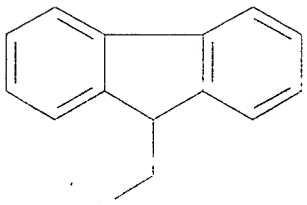
L11 ANSWER 25 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 370568-99-3 REGISTRY
CN Vancomycin, 6'-deoxy-N3'',56-bis[(9H-fluoren-9-ylmethoxy)carbonyl]-6'-iodo- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C96 H94 Cl2 I N9 O27
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A

OH

PAGE 1-B



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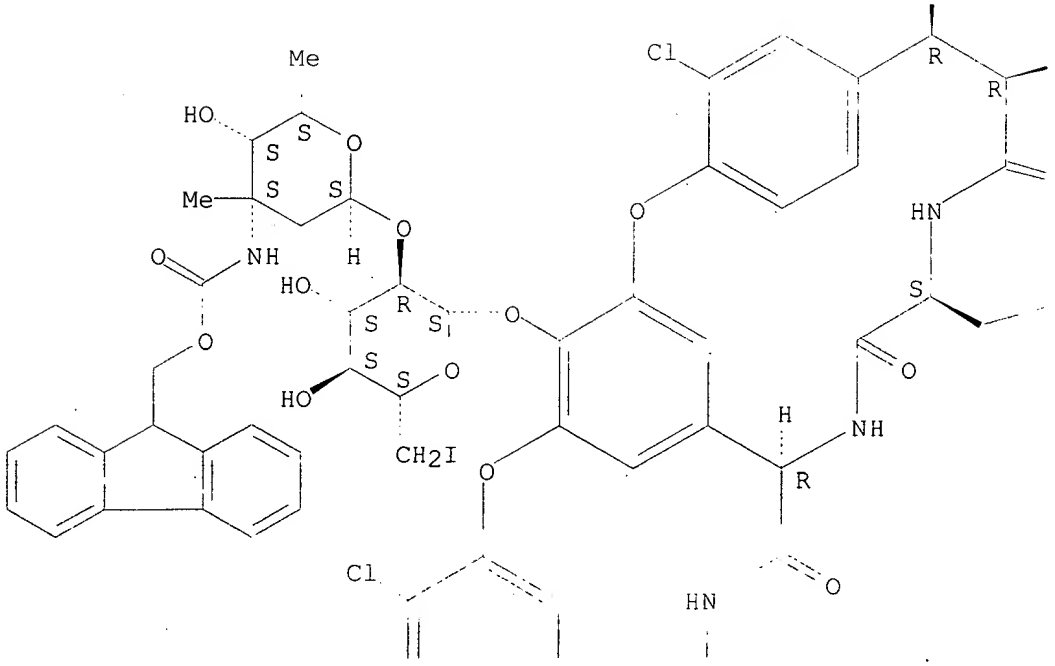

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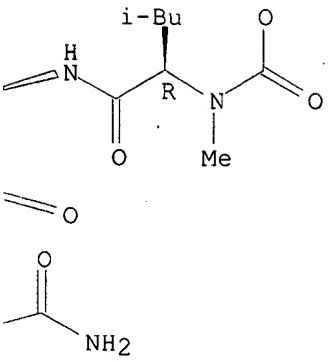

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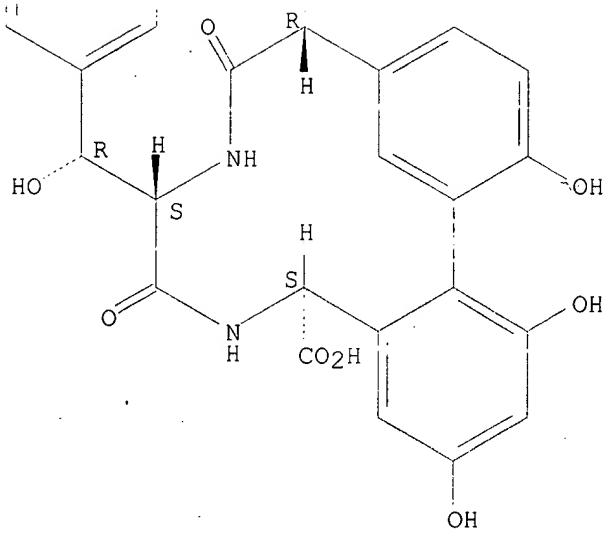


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

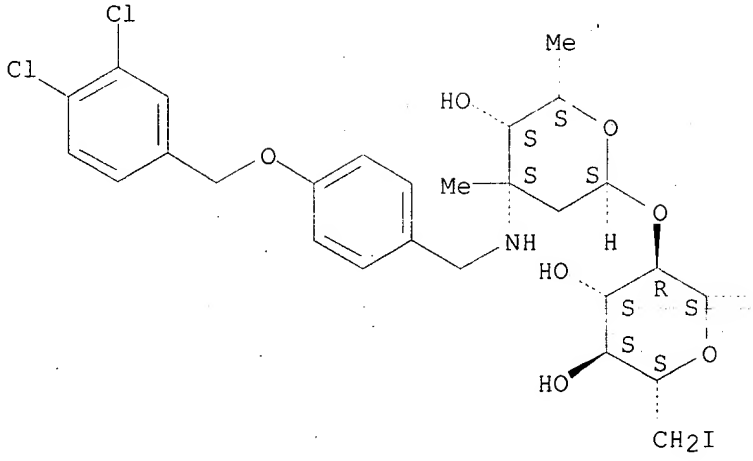
REFERENCE 1: 135:331682

L11 ANSWER 30 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 370568-94-8 REGISTRY
CN Vancomycin, 6'-deoxy-N3''-[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]-56-[(9H-fluoren-9-ylmethoxy)carbonyl]-6'-iodo- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C95 H94 Cl4 I N9 O26
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-C

PAGE 2-A



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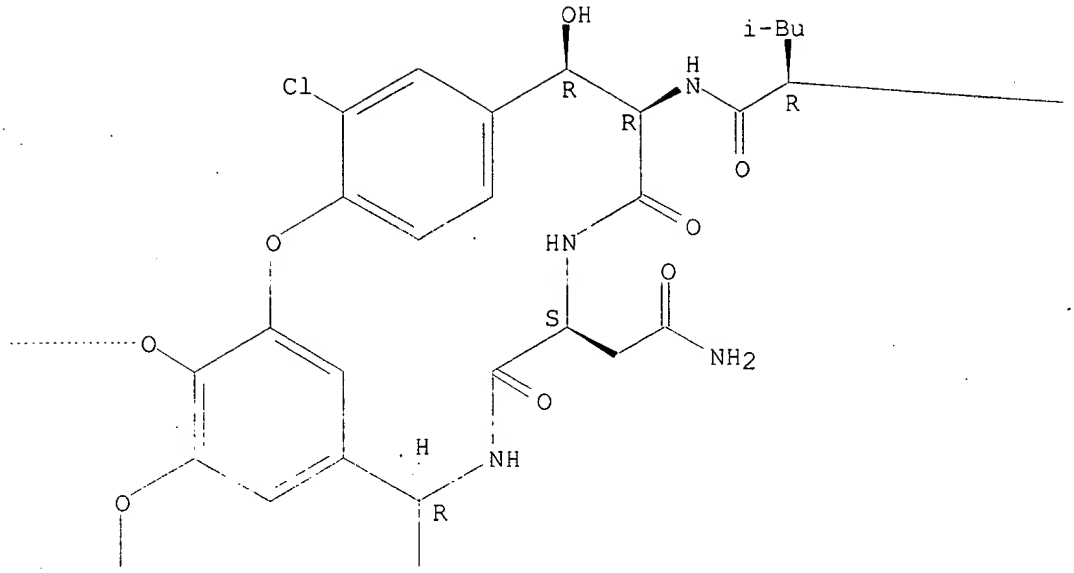

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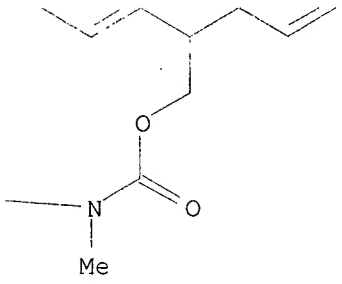

PAGE 3-A

Cl

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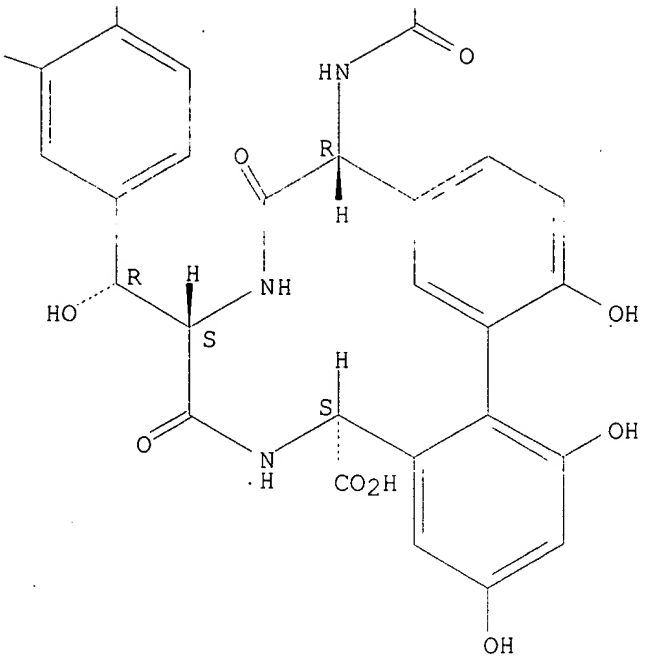


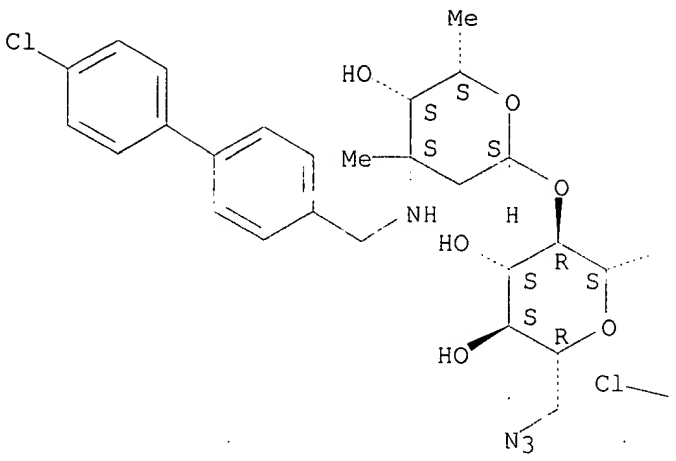
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:331682

L11 ANSWER 55 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 370564-33-3 REGISTRY
CN Vancomycin, 26-[[(4-aminobutyl)amino]carbonyl]-6'-azido-N3'',56-bis[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]-26-decarboxy-6'-deoxy- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C96 H102 Cl4 N14 O22
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



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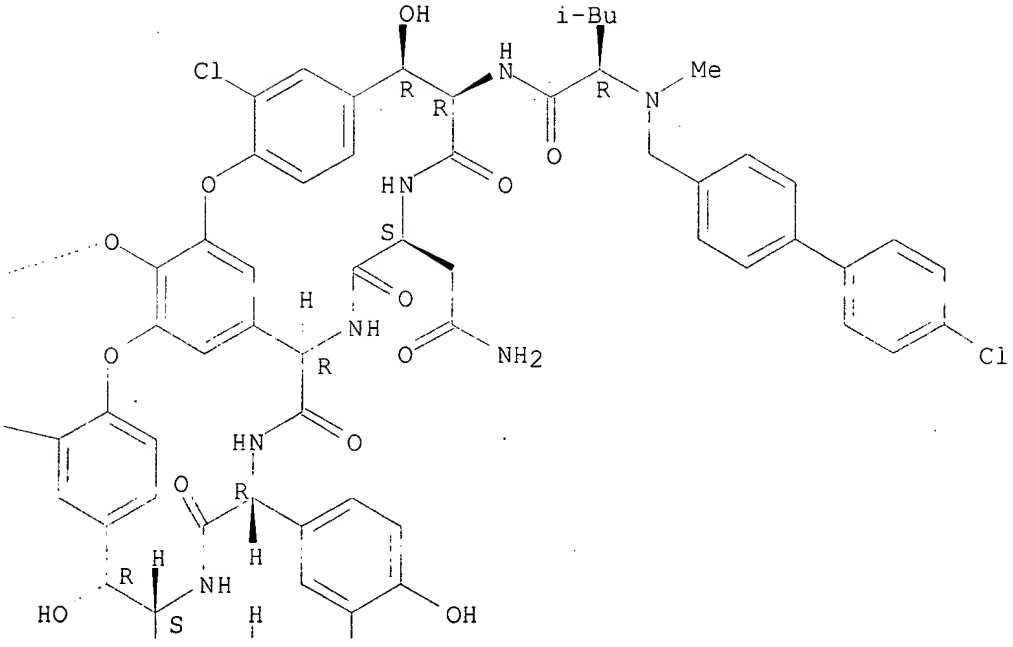

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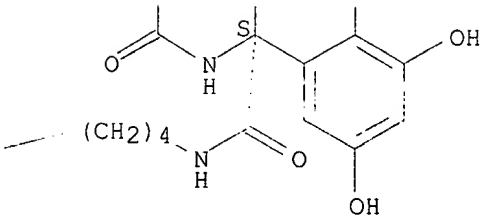


1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:331681

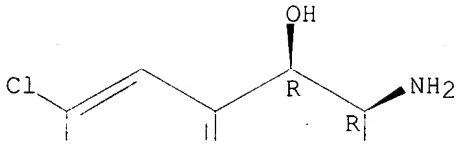
L11 ANSWER 64 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 322012-74-8 REGISTRY
CN Vancomycin, 6'-[[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]amino]-49-de[4-methyl-2-(methylamino)-1-oxopentyl]-6'-deoxy- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C72 H72 Cl3 N9 O22
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

Me

PAGE 1-B



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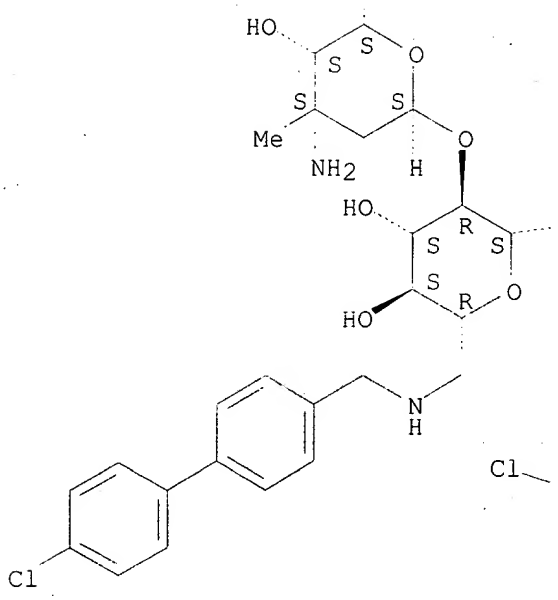

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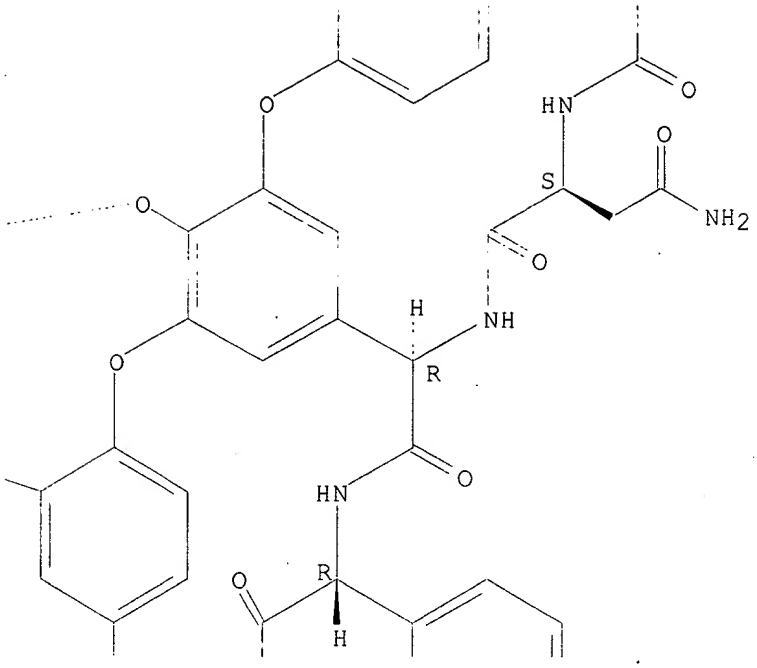

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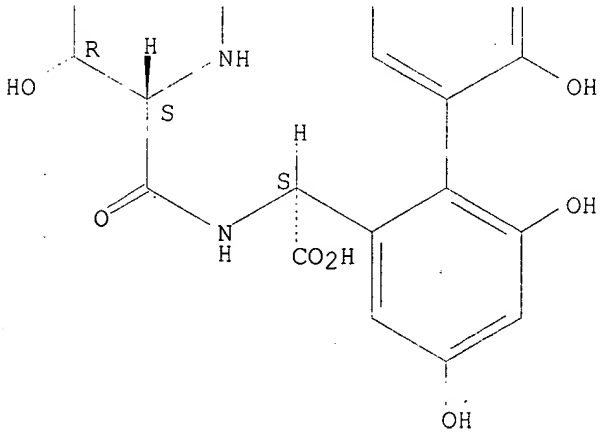

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

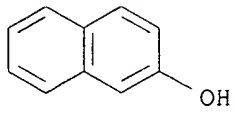
REFERENCE 1: 138:180210

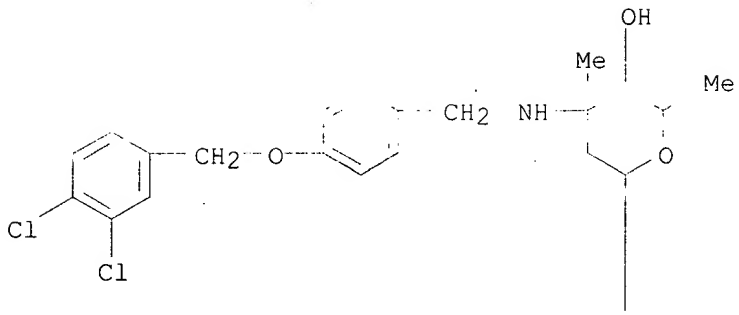
REFERENCE 2: 134:144404

L11 ANSWER 65 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 308797-98-0 REGISTRY
CN Vancomycin, 6'-deoxy-N3''-[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]-6'-[(2-hydroxynaphthalenyl)amino]- (9CI) (CA INDEX NAME)
MF C90 H92 Cl4 N10 O25

CI IDS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A





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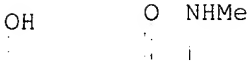

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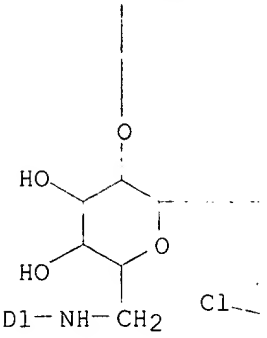

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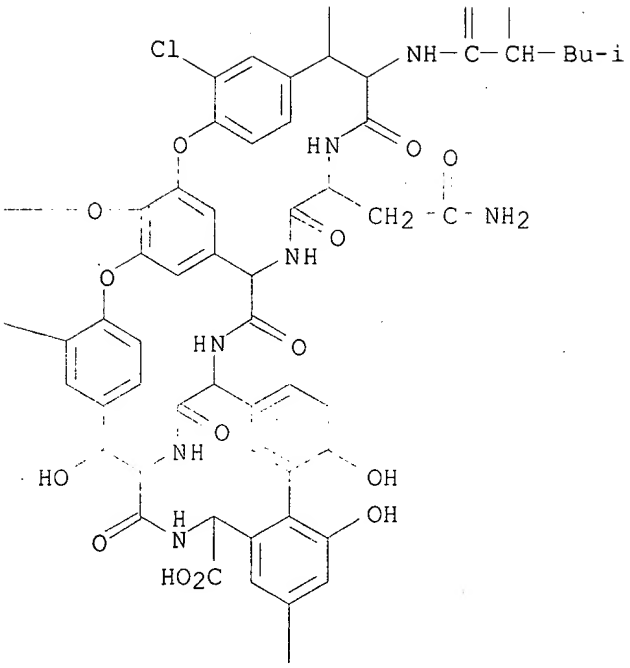


PAGE 3-B

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 134:5162

L11 ANSWER 117 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 308366-99-6 REGISTRY
CN Vancomycin, 6'-deoxy-N3''-[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]-6'-[3-(dimethylamino)-1-pyrrolidinyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C86 H97 Cl4 N11 O24
SR CA

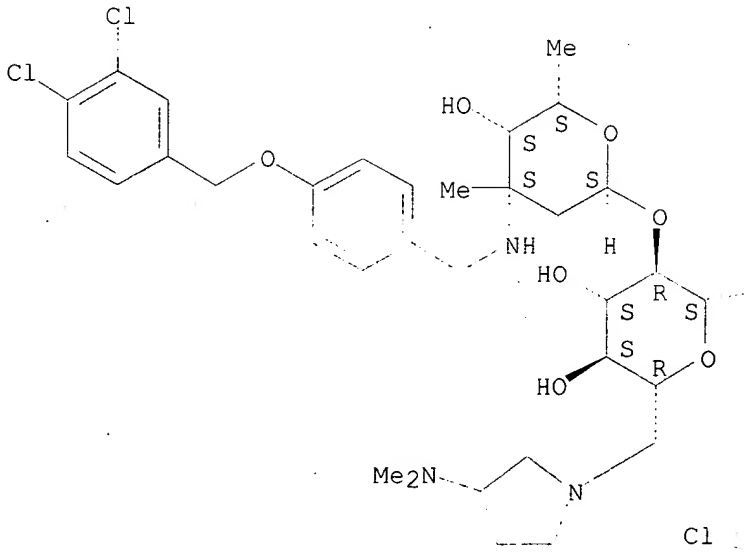
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-B

OH

PAGE 2-A



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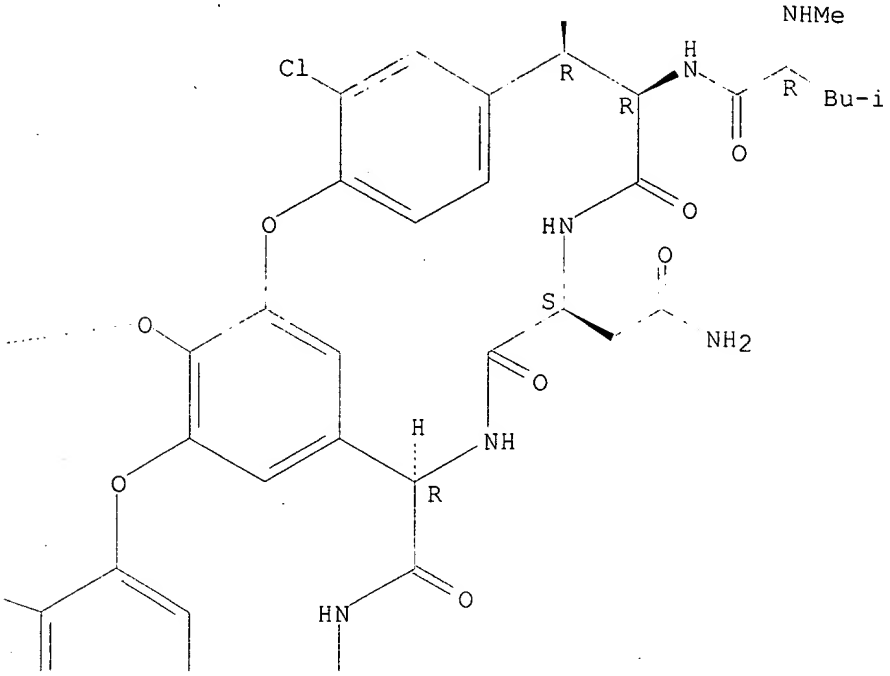

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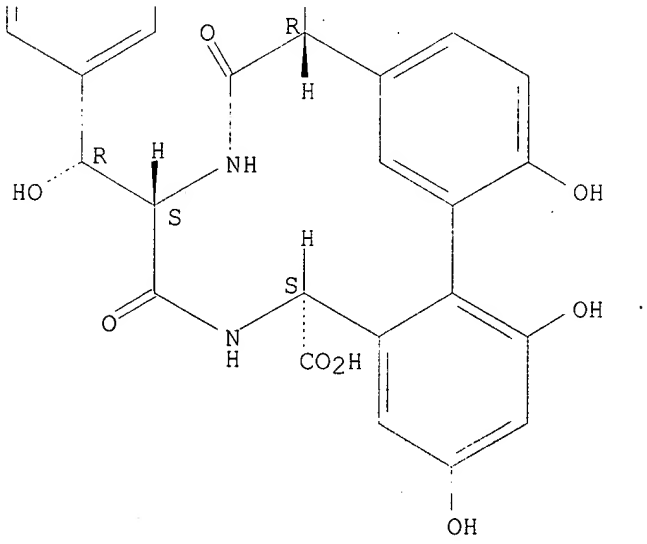


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 134:5162

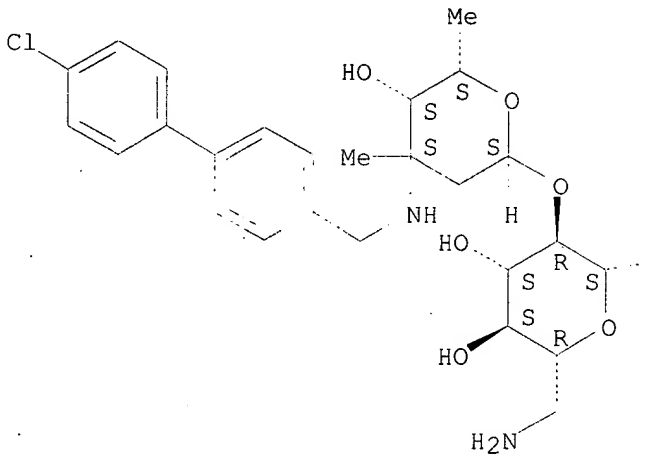
L11 ANSWER 172 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 300583-15-7 REGISTRY
CN Vancomycin, 6'-amino-49-[(2R)-2-amino-3-(1,1-dimethylethoxy)-1-oxopropyl]-

N3''-[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]-49-de[4-methyl-2-(methylamino)-1-oxopentyl]-6'-deoxy- (9CI) (CA INDEX NAME)

FS STEREOSEARCH
MF C79 H85 Cl3 N10 O24
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



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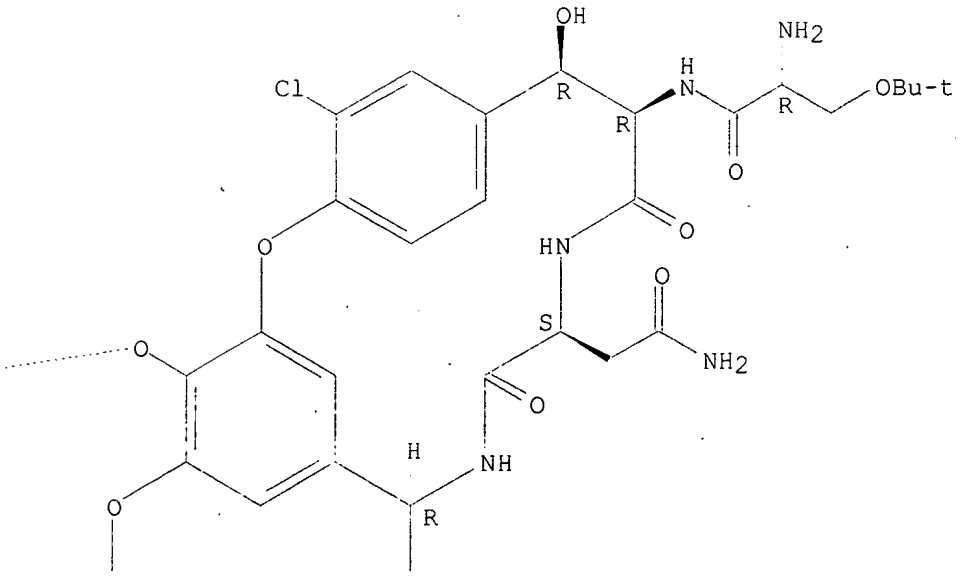
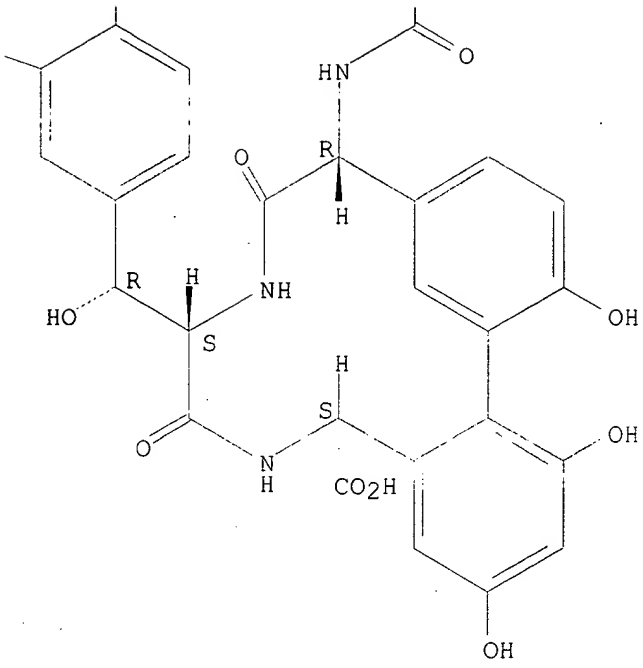


PAGE 2-A

Cl

PAGE 2-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

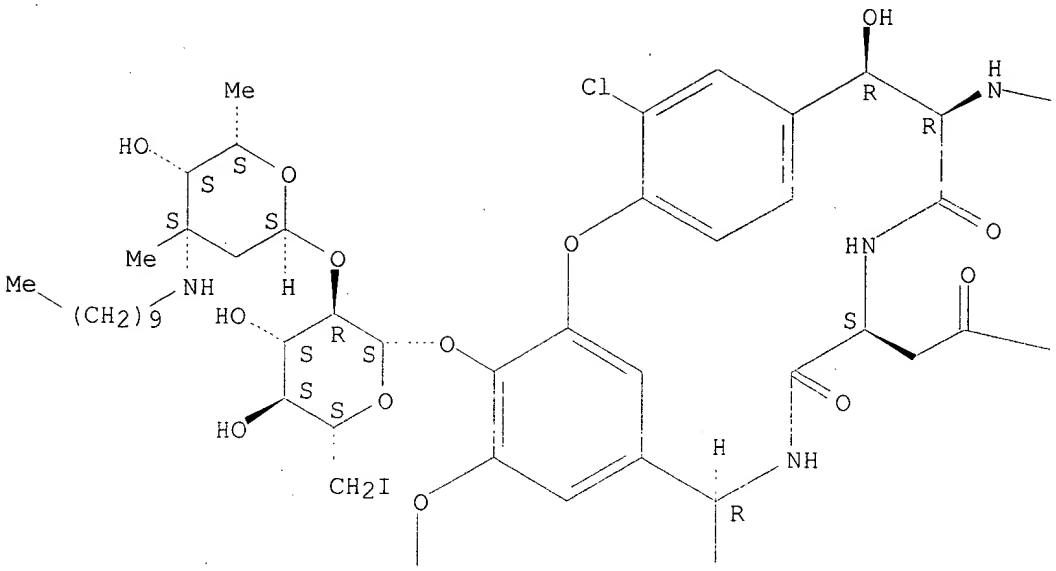
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 133:296658

L11 ANSWER 173 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 256351-49-2 REGISTRY
CN Vancomycin, N3''-decyl-6'-deoxy-6'-iodo- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C76 H94 Cl2 I N9 O23
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PAGE 1-A



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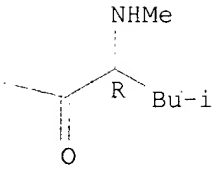

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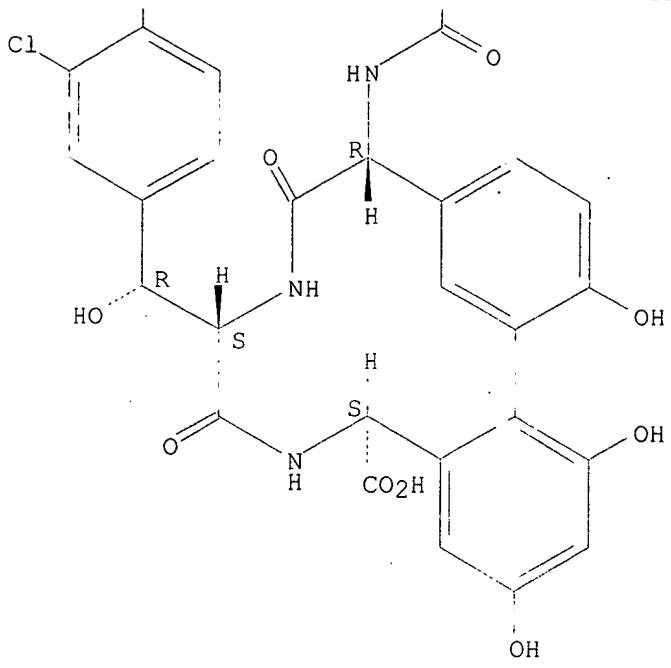


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

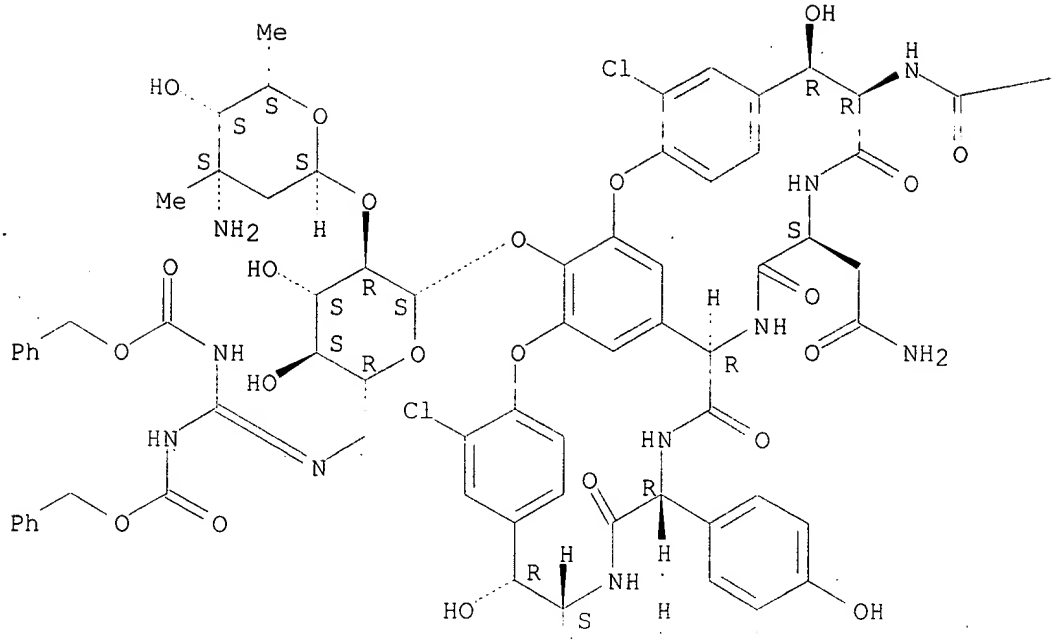
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 132:122934

L11 ANSWER 199 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 256350-99-9 REGISTRY
CN Vancomycin, 26-decarboxy-6'-deoxy-26-[[(2-methoxy-2-oxoethyl)amino]carbonyl]-6'-[[[[(phenylmethoxy)carbonyl]amino][[(phenylmethoxy)carbonyl]imino]methyl]amino]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C86 H95 Cl2 N13 O28
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PAGE 1-A



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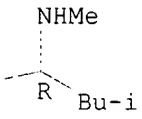
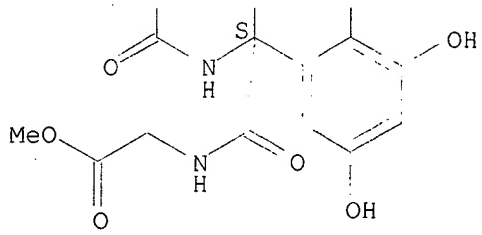


PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

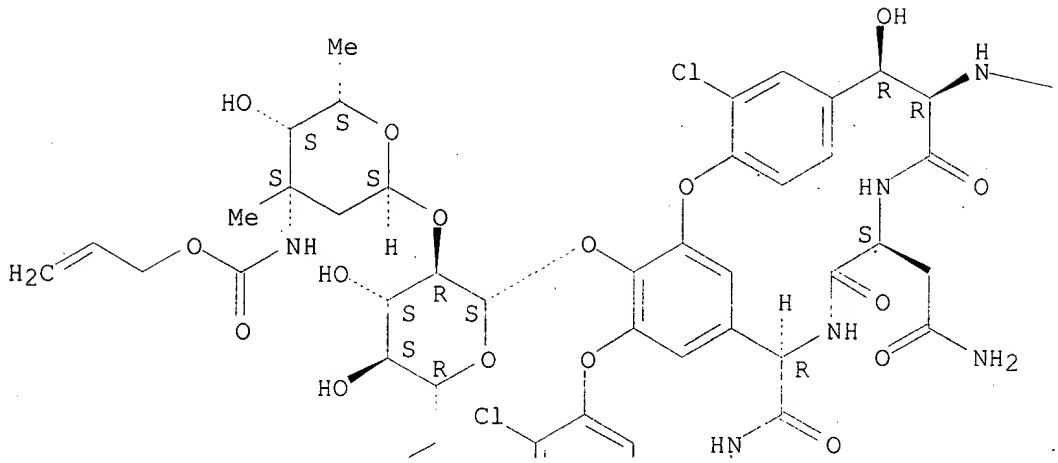
REFERENCE 1: 132:122934

L11 ANSWER 297 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 256349-99-2 REGISTRY
CN Vancomycin, 6'-deoxy-N3'',56-bis[(2-propenyloxy)carbonyl]-6'-[(2-quinoxalinylcarbonyl)amino]-, 2-propenyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH
MF C86 H92 Cl2 N12 O28
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PAGE 1-A



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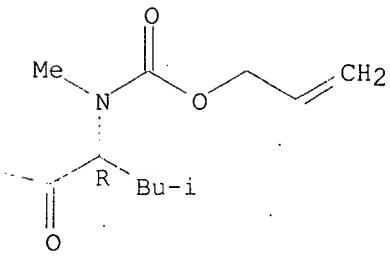

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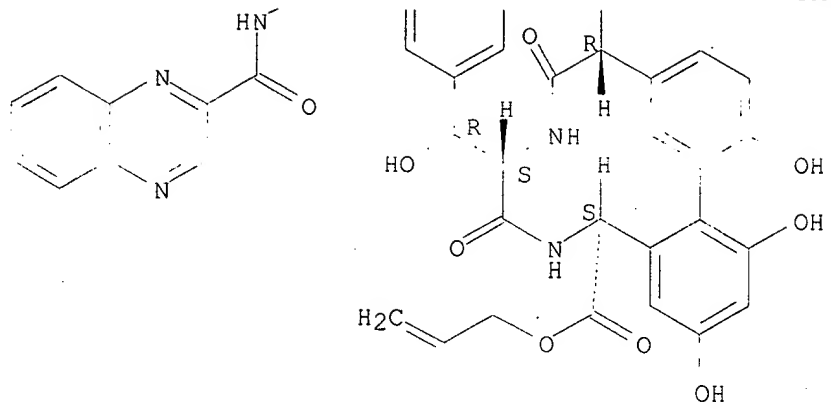


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

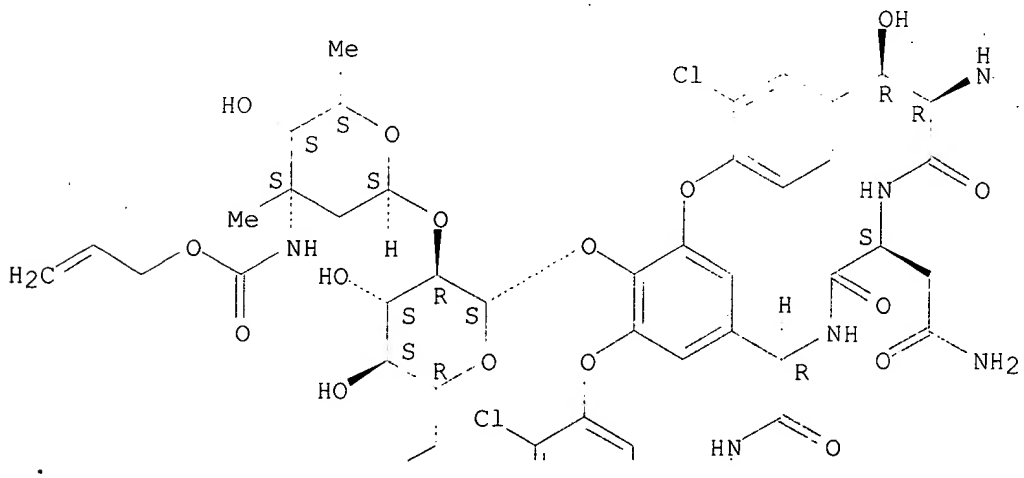
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 132:122934

L11 ANSWER 308 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 256349-88-9 REGISTRY
CN Vancomycin, N3'',56-bis[(2-propenyloxy)carbonyl]-, 2-propenyl ester, 6'-(2,4,6-trimethylbenzenesulfonate) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C86 H97 Cl2 N9 O30 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.

PAGE 1-A



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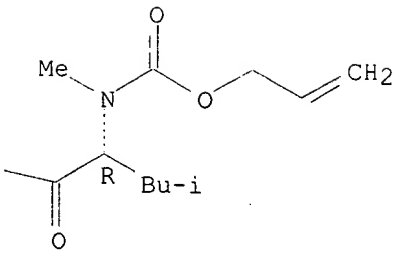

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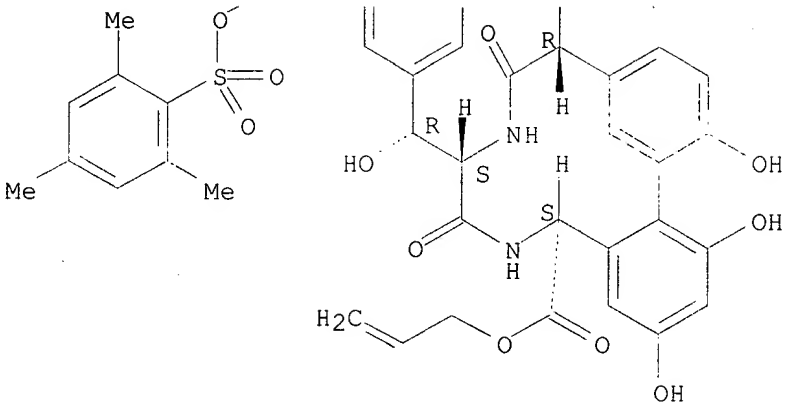

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:331681

REFERENCE 2: 134:5162

REFERENCE 3: 132:122934

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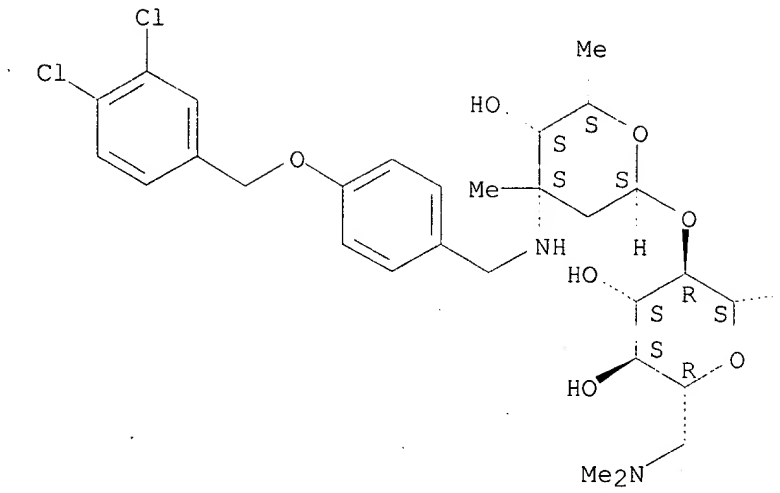
L11 ANSWER 1 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 474433-10-8 REGISTRY
CN Vancomycin, 6'-deoxy-N3''-[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]-6'-(dimethylamino)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C82 H90 C14 N10 O24
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A



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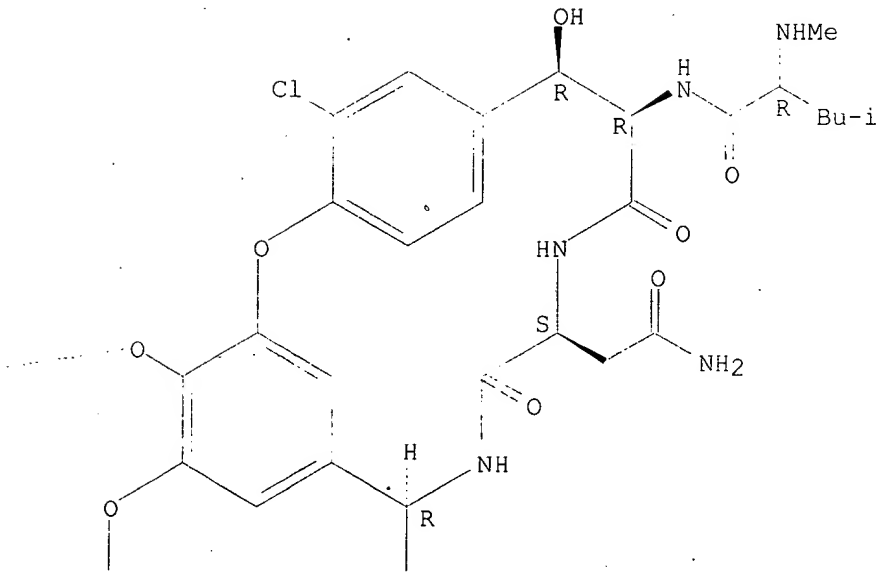
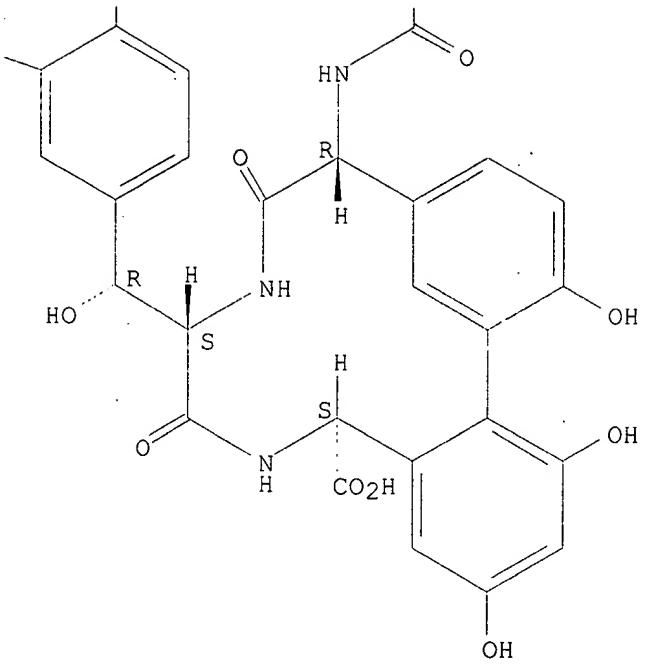


PAGE 2-A

Cl

PAGE 2-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 137:345587

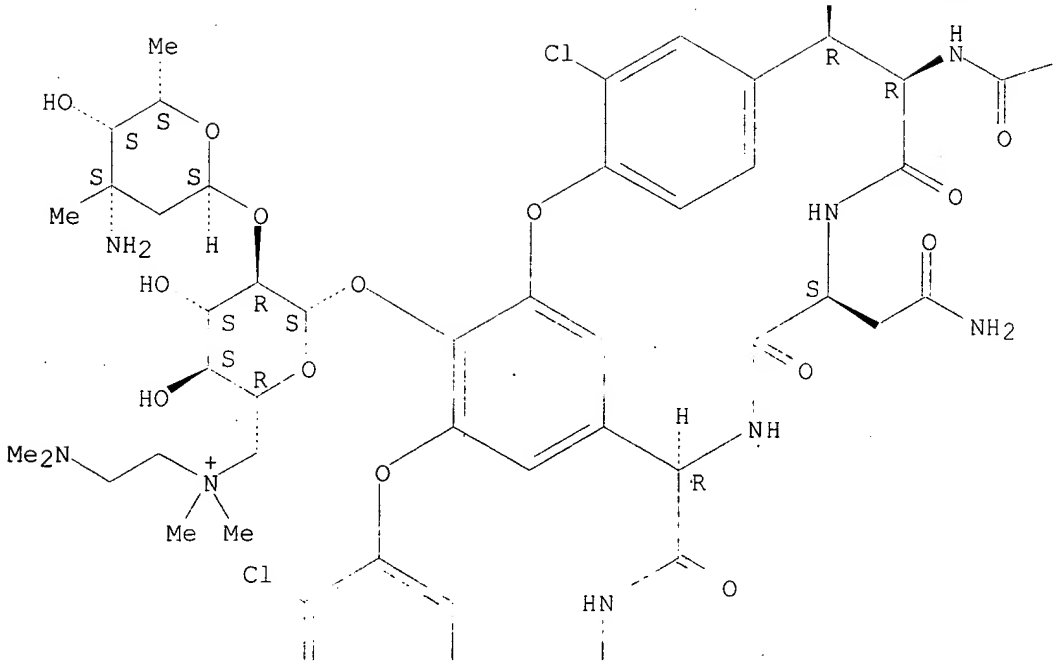
L11 ANSWER 12 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 474432-99-0 REGISTRY
CN Vancomycin, 6'-deoxy-6'-[[2-(dimethylamino)ethyl]dimethylammonio]-, inner salt (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C72 H89 Cl2 N11 O23
SR CA
LC STN Files: CA, CAPLUS

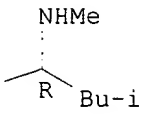
Absolute stereochemistry.

PAGE 1-A

OH

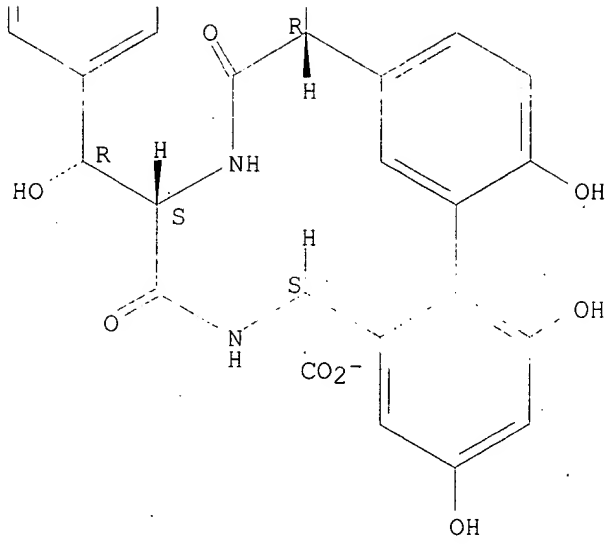
PAGE 2-A





PAGE 2-B

PAGE 3-A



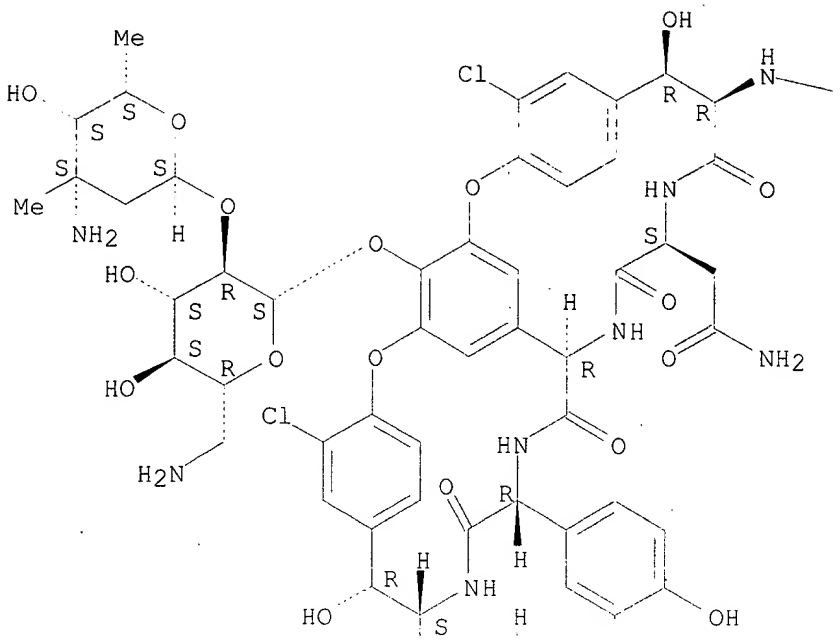
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 137:345587

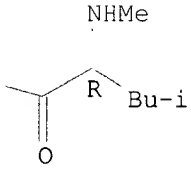
L11 ANSWER 15 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 370569-10-1 REGISTRY
CN Vancomycin, 6'-amino-26-decarboxy-6'-deoxy-26-[[[5-[[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]amino]pentyl]amino]carbonyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C85 H98 Cl4 N12 O23
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

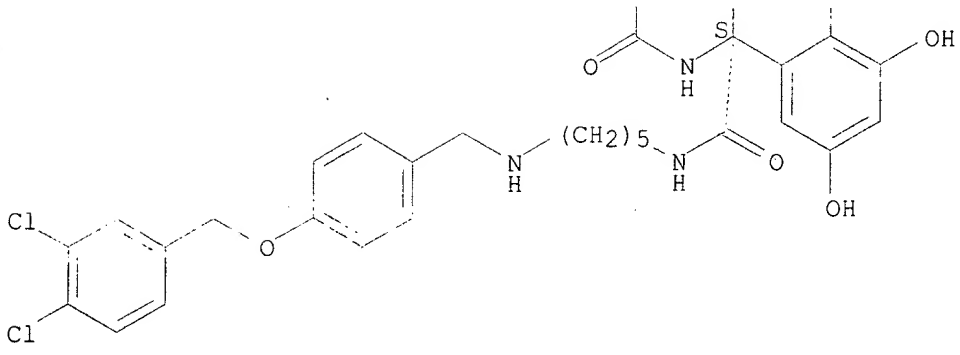
PAGE 1-A



PAGE 1-B



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:331682

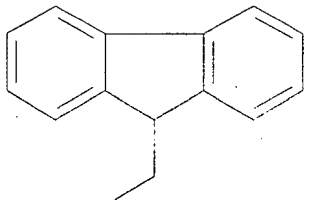
L11 ANSWER 25 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 370568-99-3 REGISTRY
CN Vancomycin, 6'-deoxy-N3'',56-bis[(9H-fluoren-9-ylmethoxy)carbonyl]-6'-iodo- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C96 H94 Cl2 I N9 O27
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A

OH

PAGE 1-B



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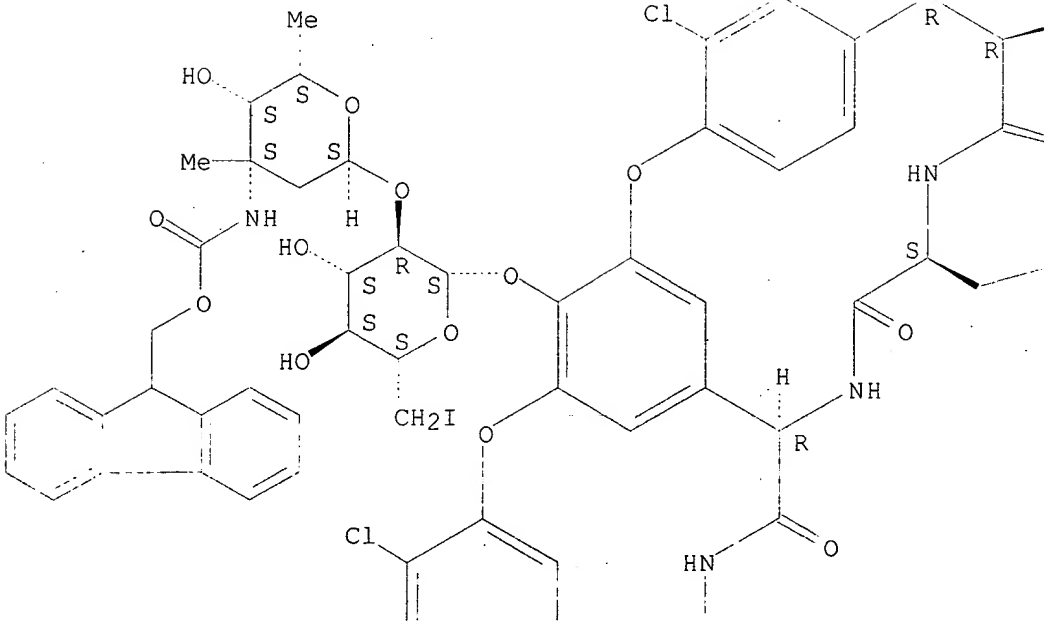

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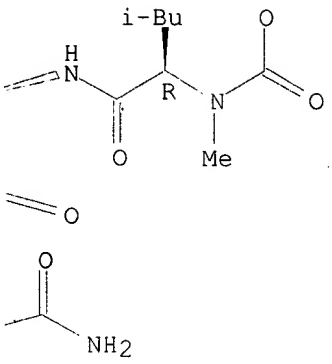

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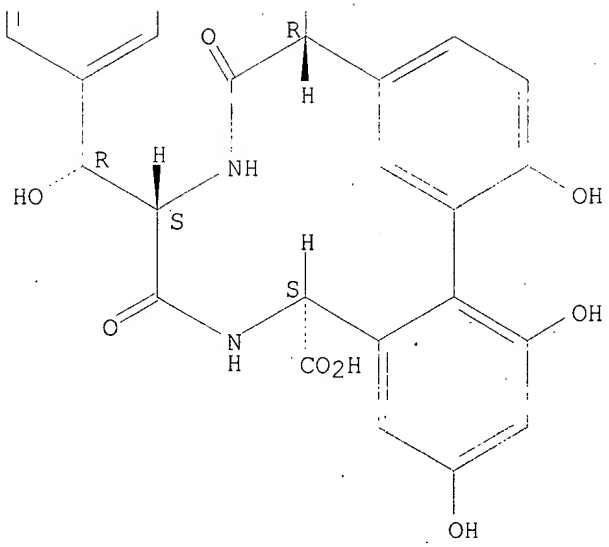


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

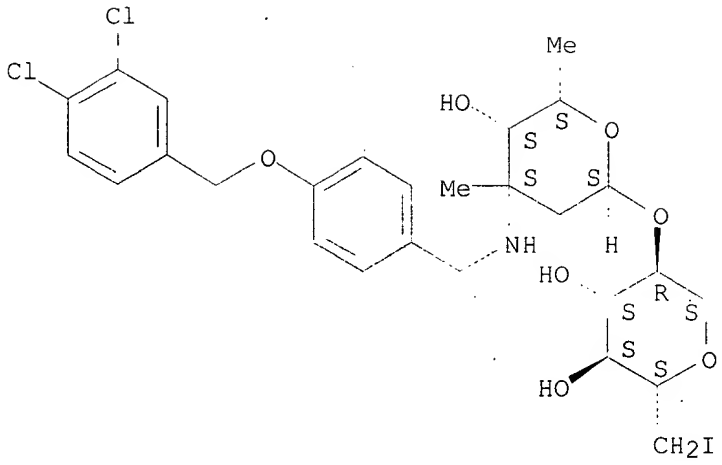
REFERENCE 1: 135:331682

L11 ANSWER 30 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 370568-94-8 REGISTRY
CN Vancomycin, 6'-deoxy-N3''-[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]-56-[(9H-fluoren-9-ylmethoxy)carbonyl]-6'-iodo- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C95 H94 Cl4 I N9 O26
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-C

PAGE 2-A



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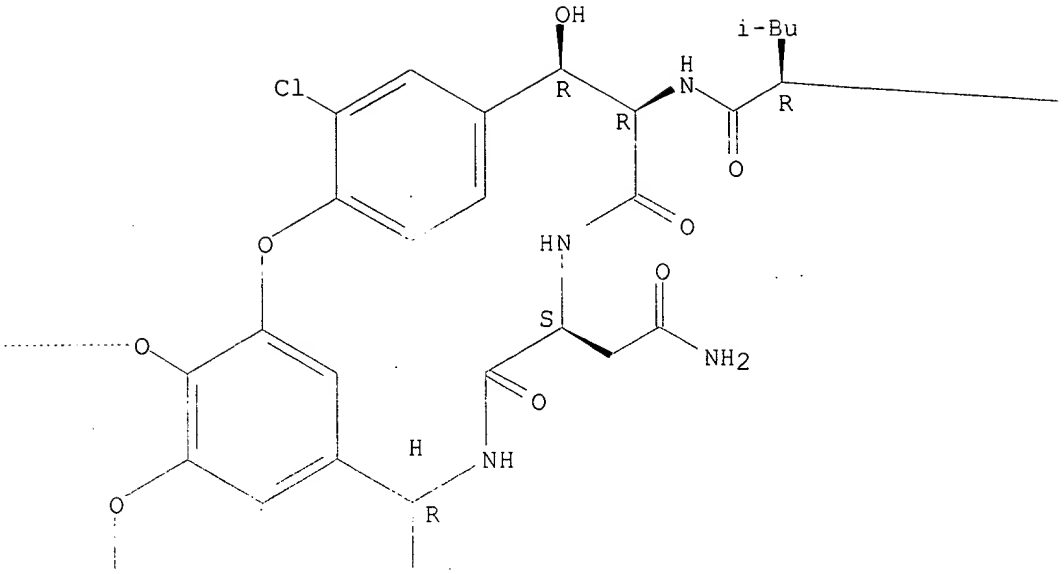
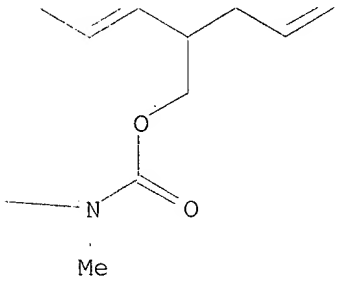
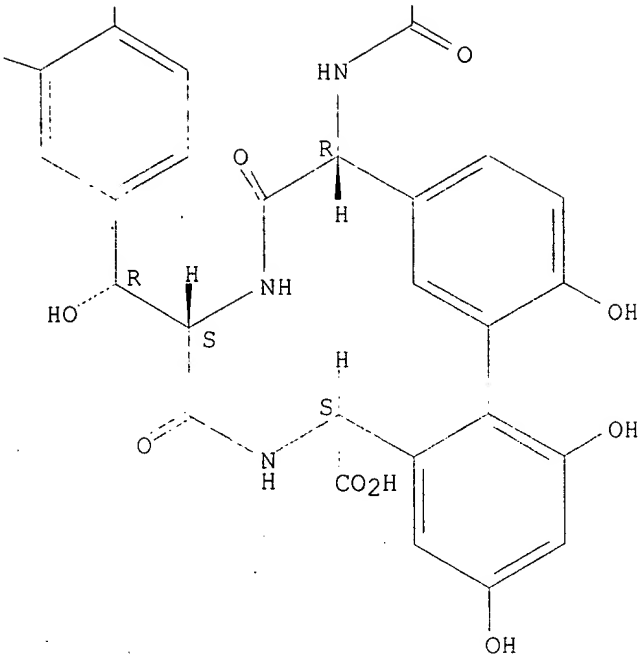


PAGE 2-C



PAGE 3-A

Cl



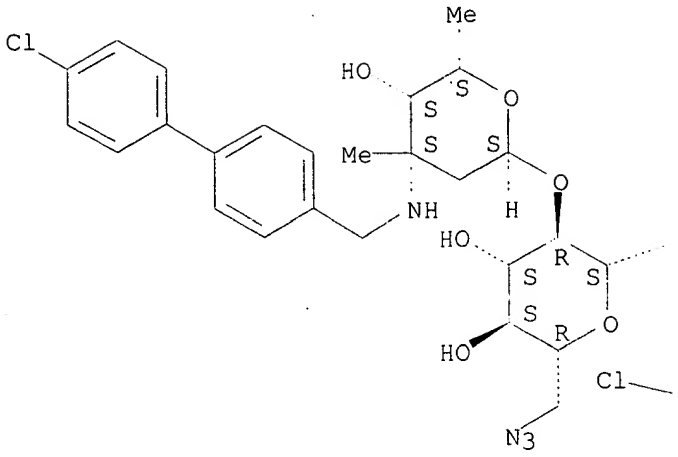
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:331682

L11 ANSWER 55 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 370564-33-3 REGISTRY
CN Vancomycin, 26-[[(4-aminobutyl)amino]carbonyl]-6'-azido-N3'',56-bis[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]-26-decarboxy-6'-deoxy- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C96 H102 C14 N14 O22
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



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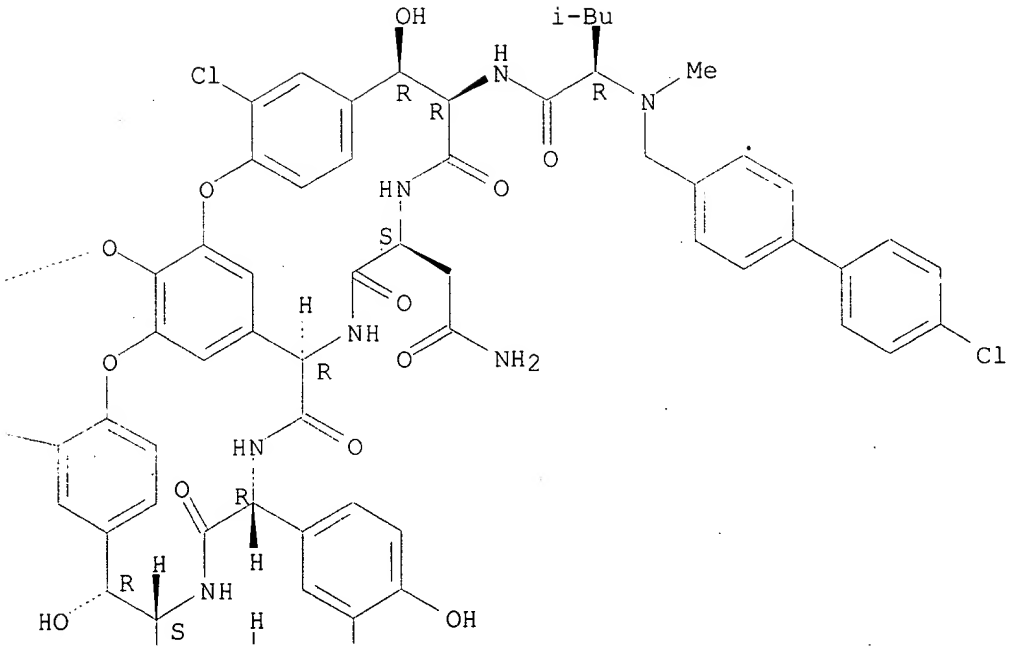

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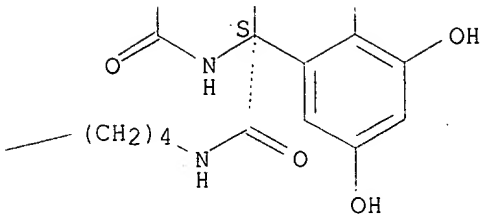
H_2N

PAGE 2-B



1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:331681

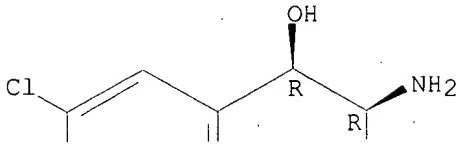
L11 ANSWER 64 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 322012-74-8 REGISTRY
CN Vancomycin, 6'-[[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]amino]-49-de[4-methyl-2-(methylamino)-1-oxopentyl]-6'-deoxy- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C72 H72 Cl3 N9 O22
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

PAGE 1-A

Me

PAGE 1-B



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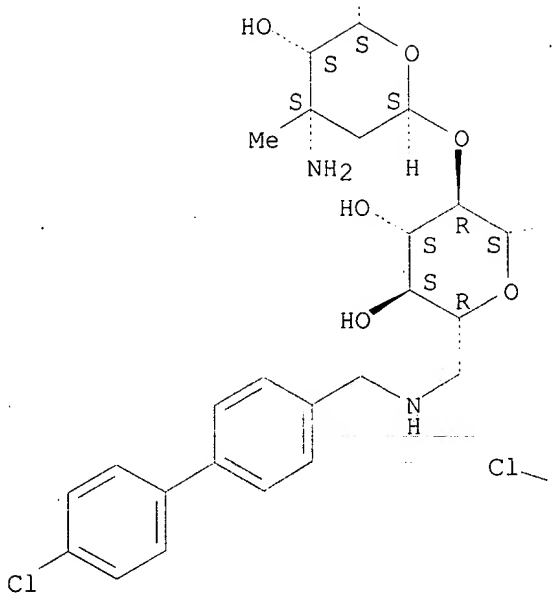

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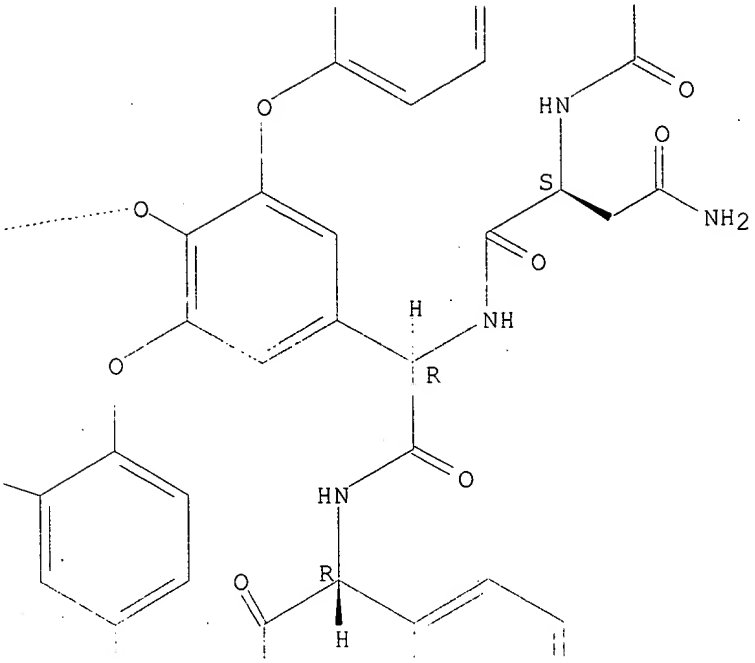

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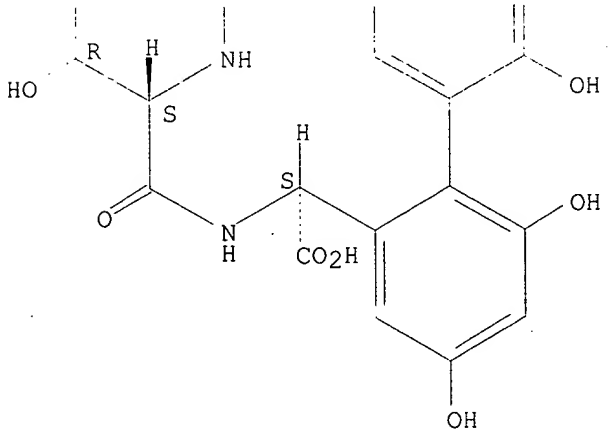


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

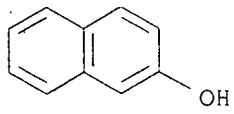
REFERENCE 1: 138:180210

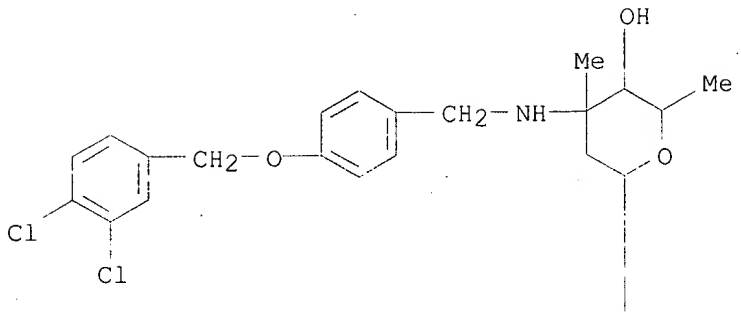
REFERENCE 2: 134:144404

L11 ANSWER 65 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 308797-98-0 REGISTRY
CN Vancomycin, 6'-deoxy-N3''-[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]-6'-[(2-hydroxynaphthalenyl)amino]- (9CI) (CA INDEX NAME)
MF C90 H92 Cl4 N10 O25

CI IDS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A





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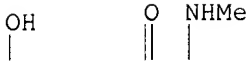

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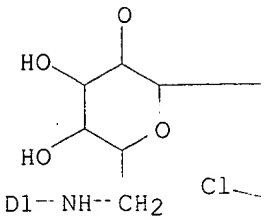

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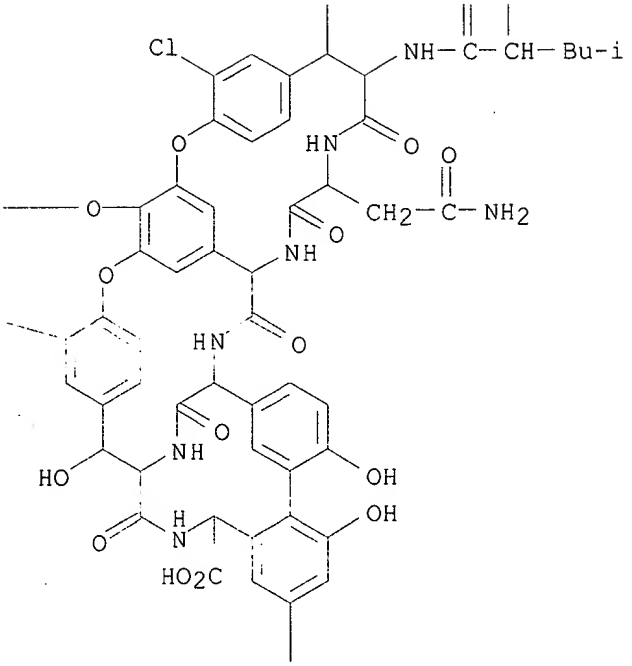

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1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 134:5162

L11 ANSWER 117 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 308366-99-6 REGISTRY
CN Vancomycin, 6'-deoxy-N3''-[[4-[(3,4-dichlorophenyl)methoxy]phenyl]methyl]-6'-[3-(dimethylamino)-1-pyrrolidinyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C86 H97 Cl4 N11 O24
SR CA

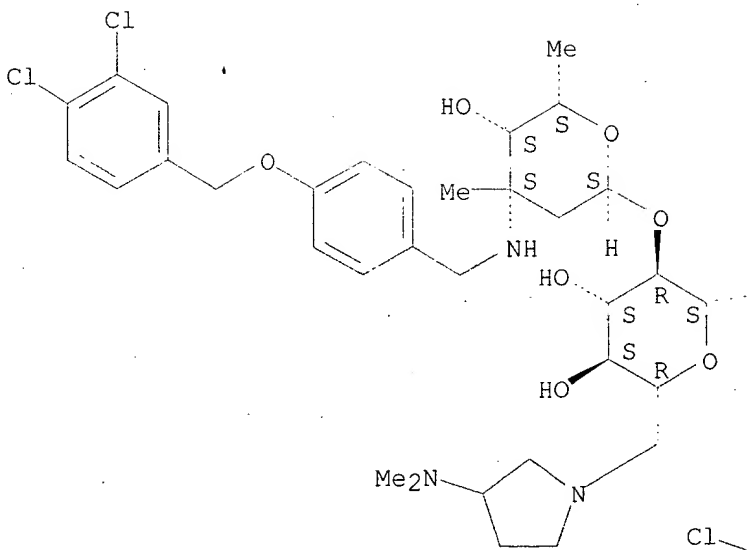
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-B

OH

PAGE 2-A



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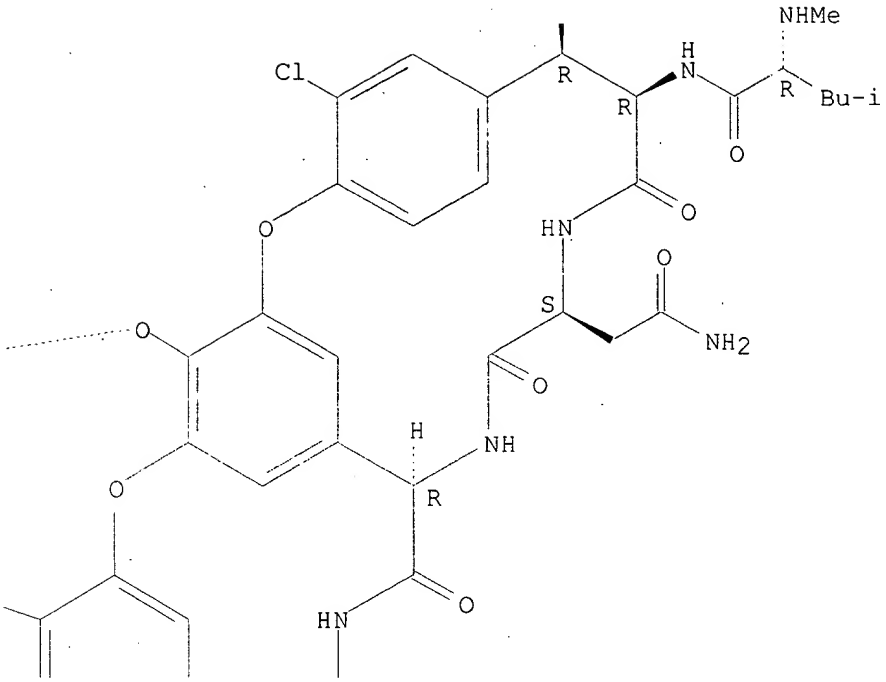
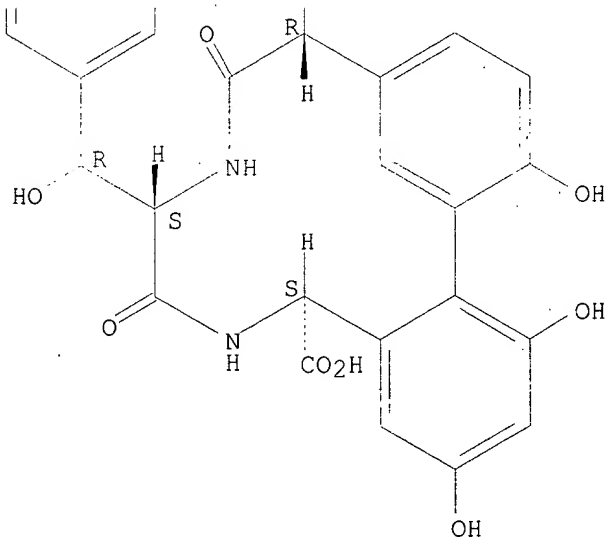


PAGE 3-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 134:5162

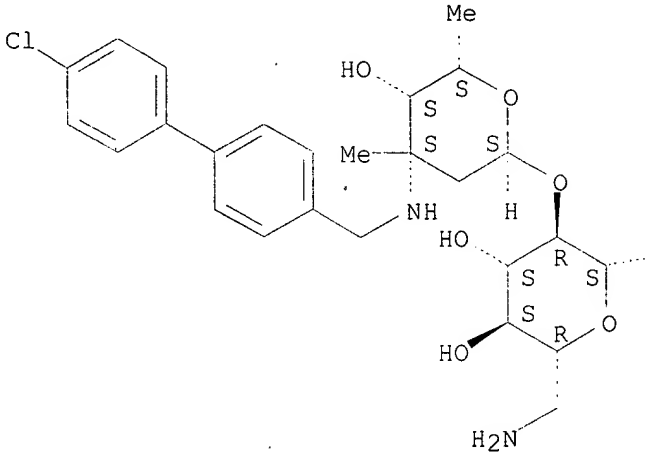
L11 ANSWER 172 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 300583-15-7 REGISTRY
CN Vancomycin, 6'-amino-49-[(2R)-2-amino-3-(1,1-dimethylethoxy)-1-oxopropyl]-

N3''-[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]-49-de[4-methyl-2-(methylamino)-1-oxopentyl]-6'-deoxy- (9CI) (CA INDEX NAME)

FS STEREOSEARCH
MF C79 H85 Cl3 N10 O24
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



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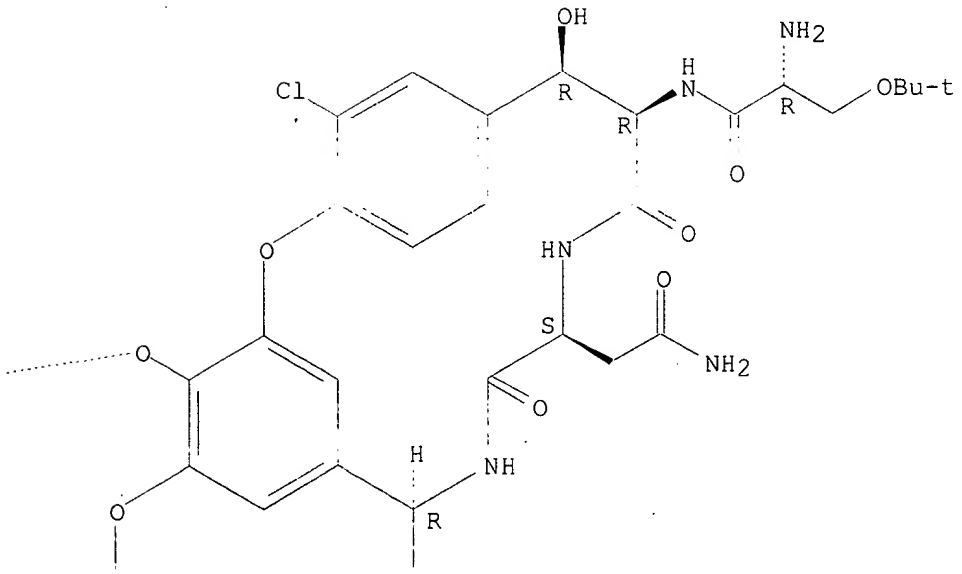

PAGE 2-A

Cl

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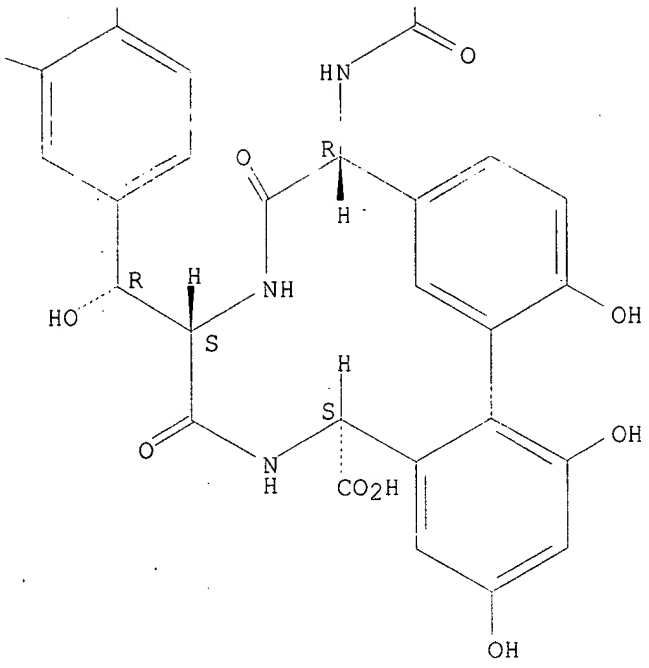


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

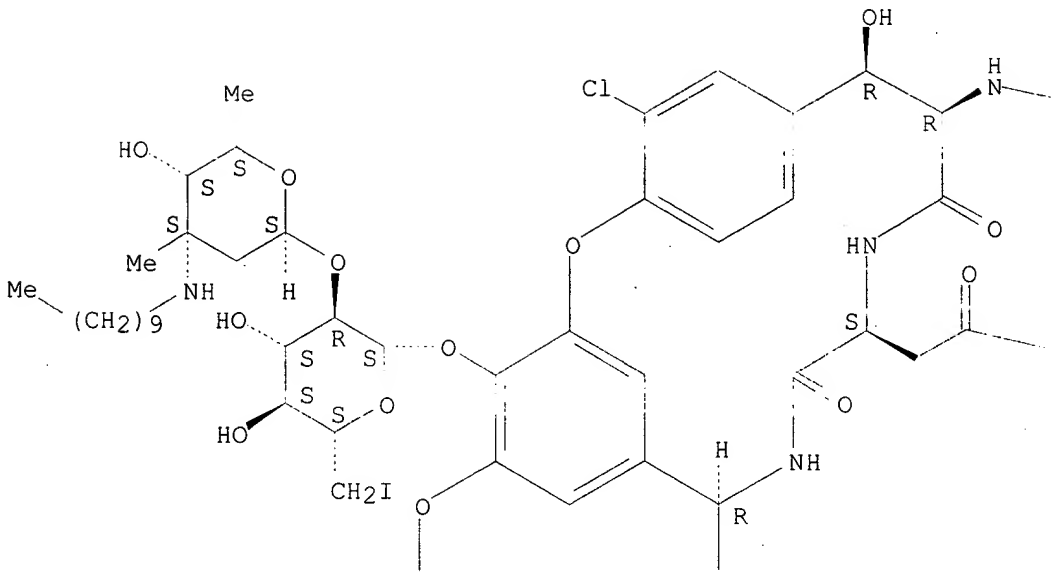
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 133:296658

L11 ANSWER 173 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 256351-49-2 REGISTRY
CN Vancomycin, N3''-decyl-6'-deoxy-6'-iodo- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C76 H94 Cl2 I N9 O23
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PAGE 1-A



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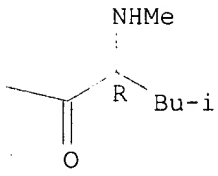

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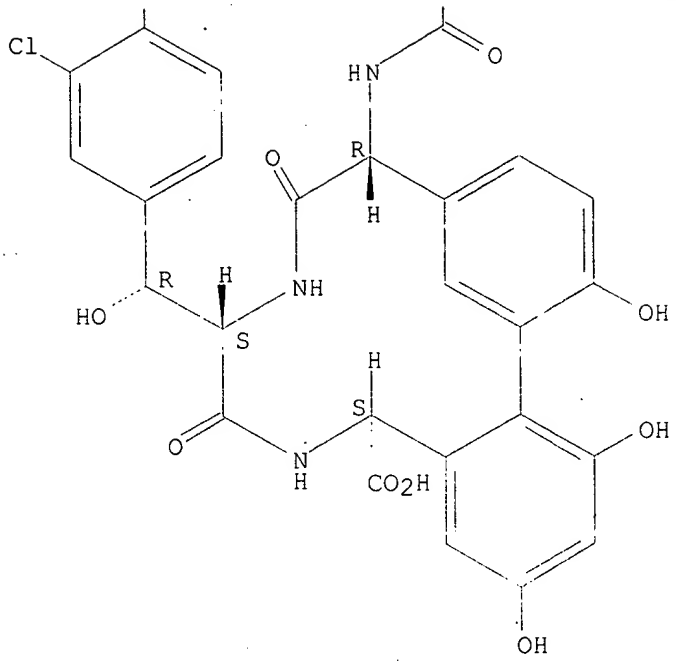

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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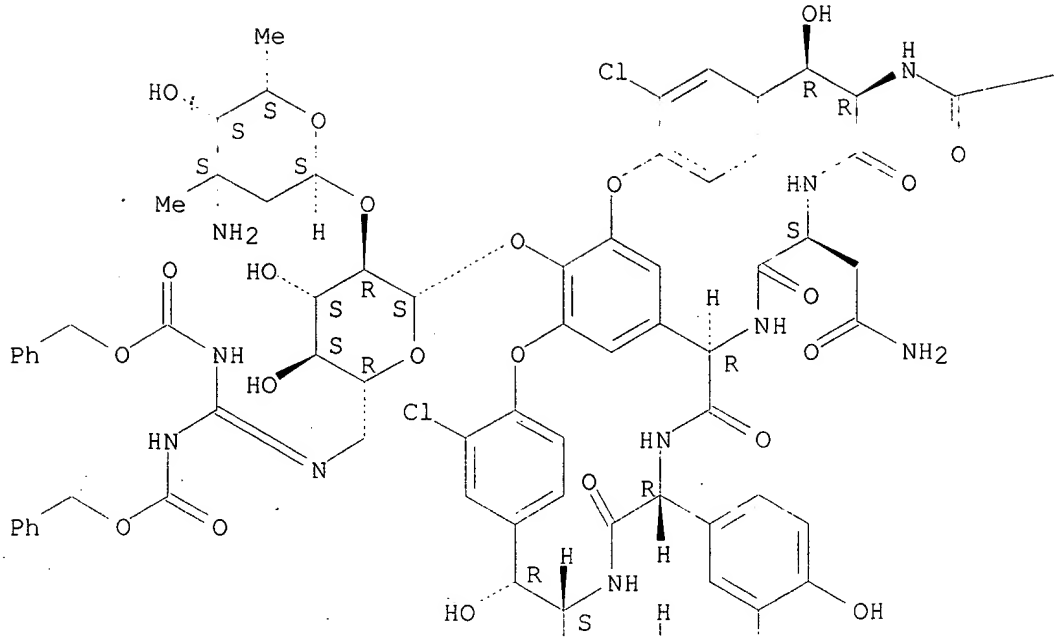
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 132:122934

L11 ANSWER 199 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 256350-99-9 REGISTRY
CN Vancomycin, 26-decarboxy-6'-deoxy-26-[[(2-methoxy-2-oxoethyl)amino]carbonyl]-6'-[[[[(phenylmethoxy)carbonyl]amino][(phenylmethoxy)carbonyl]imino]methyl]amino]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C86 H95 Cl2 N13 O28
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PAGE 1-A



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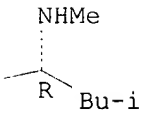

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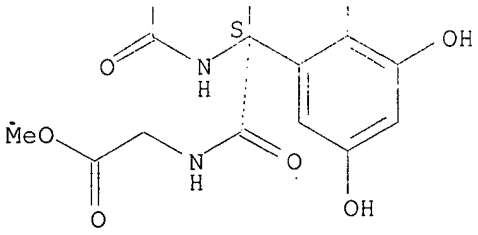


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

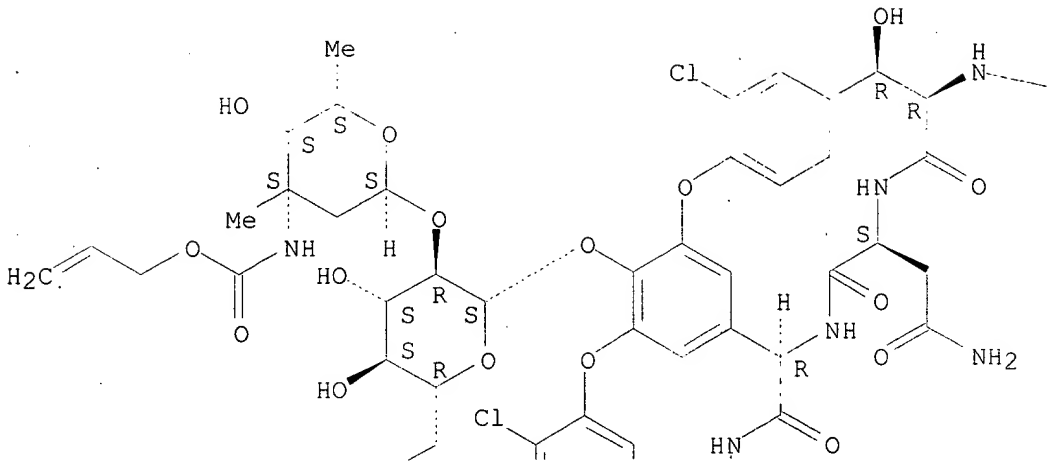
REFERENCE 1: 132:122934

L11 ANSWER 297 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 256349-99-2 REGISTRY
CN Vancomycin, 6'-deoxy-N3'',56-bis[(2-propenyloxy)carbonyl]-6'-[(2-quinoxalinylcarbonyl)amino]-, 2-propenyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH
MF C86 H92 Cl2 N12 O28
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

PAGE 1-A



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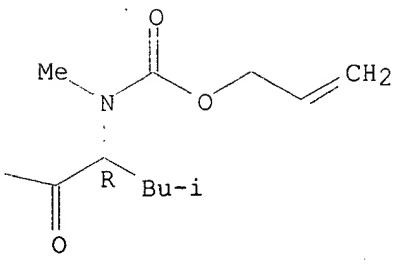

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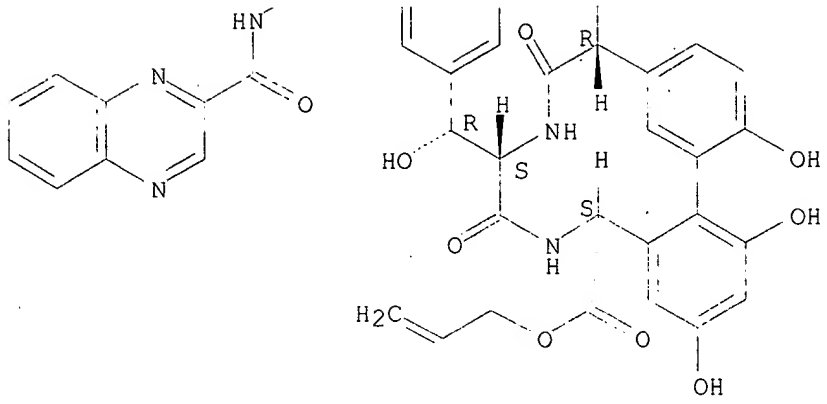


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

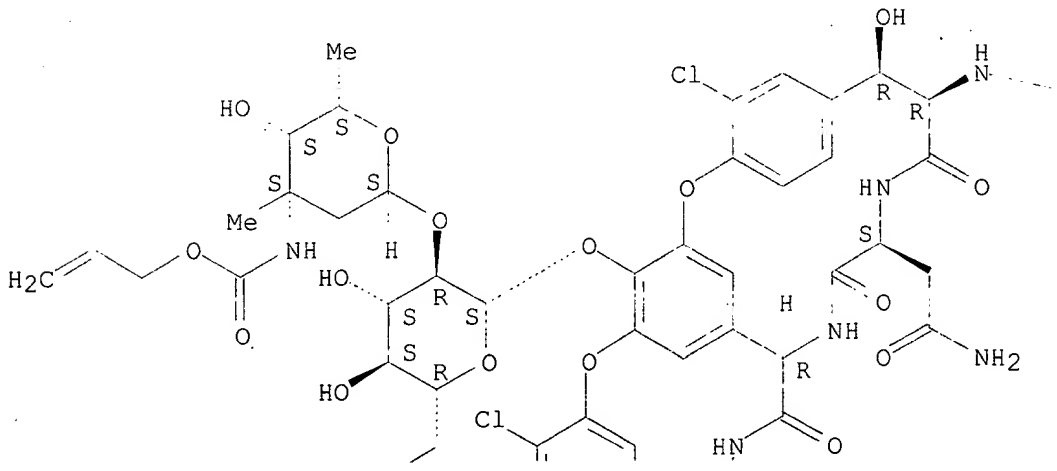
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 132:122934

L11 ANSWER 308 OF 308 REGISTRY COPYRIGHT 2003 ACS
RN 256349-88-9 REGISTRY
CN Vancomycin, N3'',56-bis[(2-propenyloxy)carbonyl]-, 2-propenyl ester, 6'-(2,4,6-trimethylbenzenesulfonate) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C86 H97 Cl2 N9 O30 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL.

Absolute stereochemistry.

PAGE 1-A



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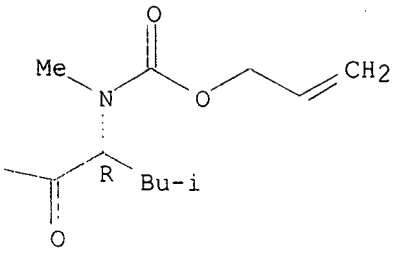

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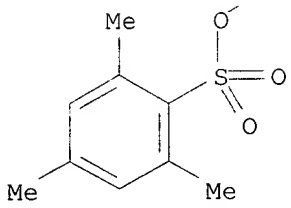

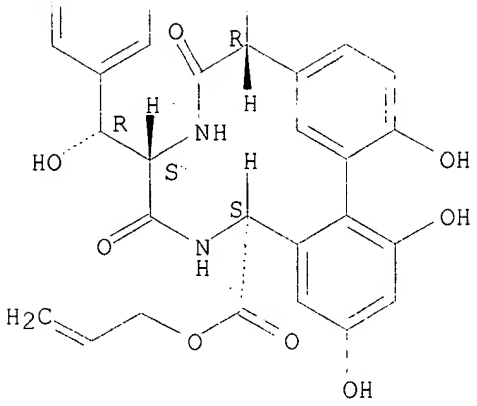

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:331681

REFERENCE 2: 134:5162

REFERENCE 3: 132:122934